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United States
Department of
Agriculture

Economic
Research
Service

TFS-254
August 1990

Fruit and Tree Nuts

Situation and Outlook Report Yearbook

Per Capita Apple Utilization

Pounds

60

50

40

30

20

10

0

1970/71 73/74 76/77 79/80 82/83 85/86 88/89
Adjusted for imports and exports.

Contents

Fruit and Tree Nuts Situation and Outlook Yearbook. Commodity Economics Division, Economic Research Service, U.S. Department of Agriculture, August 1990, TFS-254.

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Summary

Fruits

Utilized production of citrus and noncitrus fruit reached 28.9 million short tons in 1989, up 3 percent from 1988, but 9 percent below 1980's record. The crop (including strawberries) was valued at a record \$7.77 billion. Noncitrus fruit and strawberries accounted for 55 percent of the volume and 66 percent of the value in 1989.

Despite a small decrease in bearing acreage for noncitrus fruit in 1989, utilized production rose 3 percent from 1988 to a record 15.75 million short tons. Production was valued at \$4.64 billion, up 2 percent from 1988 and a new record. The production increase was primarily due to a 9-percent rise in apple output, but pear, sweet and tart cherry, apricot, kiwifruit, and papaya crops also were larger.

Fresh market shipments of apples, sweet and tart cherries, kiwifruit, papayas, and pears increased with the larger crops, but the heavier volume was offset by smaller shipments of table grapes, nectarines, peaches, and plums. Processing use accounted for a record 10.1 million short tons of noncitrus fruit in 1989, 5 percent more than the previous year, and 2 percent more than 1987's record.

Utilized citrus fruit production reached an estimated 13.18 million short tons in 1988/89, up 3 percent from a year earlier, but well below the record 17.83 million in 1983/84. Larger crops of oranges, tangerines, grapefruit, and temples offset smaller production of lemons, limes, and tangelos. U.S. citrus production was valued at \$2.61 billion in 1988/1989, down less than 1 percent from the previous year.

Processors took a greater share of the larger Florida orange crop in 1988/89, but more grapefruit and lemons were used in the fresh market, with strong

domestic and export demand during the season.

Despite moderately larger fruit output in 1989, consumer prices for fresh and processed fruits ranged higher. The Consumer Price Index for fresh fruit averaged 7 percent above 1988, boosted by strong prices for bananas, pears, grapes, lemons, grapefruit, and valencia oranges, among others. The CPI for processed fruit advanced 3 percent, with consumers paying higher prices for frozen fruits and juices, and canned and dried fruits.

U.S. commercial production of cranberries, strawberries, and bushberries (blackberries, blueberries, boysenberries, loganberries, and raspberries) was 866,390 short tons in 1989, down 5 percent from 1988, but 2 percent above 1987. Most of the shortfall was in Washington and Oregon, where adverse weather late into the spring significantly decreased yields and production of strawberries and bushberries.

Tree Nuts

U.S. production of the six major tree nut crops last year totaled 806,800 short tons (in-shell basis), 10 percent below 1988 and 16 percent below 1987. Utilized production was higher for macadamia nuts and walnuts, but substantially lower for almonds, hazelnuts, pecans, and pistachios. Utilized production of the six tree nuts was valued at \$1.01 billion, down 10 percent from 1988 and 11 percent below 1987. Increased value for macadamia nuts, pecans, and walnuts was more than offset by decreases in almonds, hazelnuts, and pistachios.

Per Capita Consumption

Due mostly to smaller crops of fresh market oranges, grapes, peaches, plums, and fresh prunes, total 1989 U.S. fresh fruit consumption is estimated down 2 percent from 1988, at 96.6 pounds per person. Overall, per capita

consumption of fresh citrus totaled only 24.4 pounds, down 11 percent from 1988 and the lowest since 1985.

On the other hand, per capita noncitrus fruit consumption rose to 72.2 pounds in 1989, up slightly from 1988. Increased consumption of fresh apples, bananas, cherries, kiwifruit, mangos, pears, pineapples, and strawberries, offset reduced use of fresh grapes, nectarines, papayas, cranberries, avocados, apricots, plums, and prunes.

With larger frozen packs of most berries and noncitrus fruits, including apples, apricots, and cherries, U.S. frozen fruit consumption rebounded 26 percent from 1988 to 4.8 pounds per person in 1989. Strawberries continue to be the most heavily consumed frozen fruit, but consumption of frozen apples and raspberries is rapidly expanding.

U.S. per capita dried fruit consumption reached 3.2 pounds in 1989, up 7 percent from 1988 and the highest in 20 years, boosted by a dramatic increase in raisin use. Per capita raisin consumption reached 2.1 pounds, 11 percent above 1988 and the highest since 1945, due to good availability and strong demand. Raisins accounted for 66 percent of total dried fruit consumption, up 2 percentage points from 1988.

Due to the announcement earlier this year that pack and stock data for a variety of canned fruits will no longer be available from several key industry participants, ERS is unable to continue the canned fruit per capita consumption series for 1989.

Per capita tree nut consumption in 1989, at 2.4 pounds, was up 3 percent from the previous year. Consumption of almonds, pecans, and macadamia nuts increased, while consumption of hazelnuts, walnuts, and pistachios fell. Use of other nuts, including Brazil nuts, cashews, and pignolias (Chinese pine nuts) also increased.

Utilized Production of U.S. Citrus and Noncitrus Fruit Up 3 Percent

Retail fruit prices rise despite production increase.

Fruit and Tree Nut Bearing Acreage Dips In 1989

Total U.S. bearing acreage of citrus and noncitrus fruit and tree nuts declined less than 1 percent between 1988 and 1989 to 3.48 million acres as a small dip in noncitrus fruit and tree nut acreage offset a rise in citrus fruit acreage. Noncitrus bearing acreage was 1.96 million acres in 1989, down less than 1 percent from 1988. The decline was due to a drop in bearing acreage for grapes, prunes and plums, apricots, figs, strawberries, pineapples, avocados, nectarines, cranberries, dates, and pomegranates, which more than offset a rise in bearing acreage for apples, peaches, pears, sweet cherries, papayas, and mangos.

For tree nuts, a decline in almond bearing acreage offset increased acreage in hazelnuts, macadamias, and pistachios, reducing bearing acreage for all tree nuts except pecans (for which data are not available) to 680,100 in 1989, 1 percent less than 1988. On the other hand, bearing acreage in citrus fruits rose 1 percent between 1988 and 1989 to 843,400 acres, as the acreage in orange, grapefruit, and tangelo trees reaching bearing age more than offset a decline in bearing acreage for tangerines, lemons, and limes.

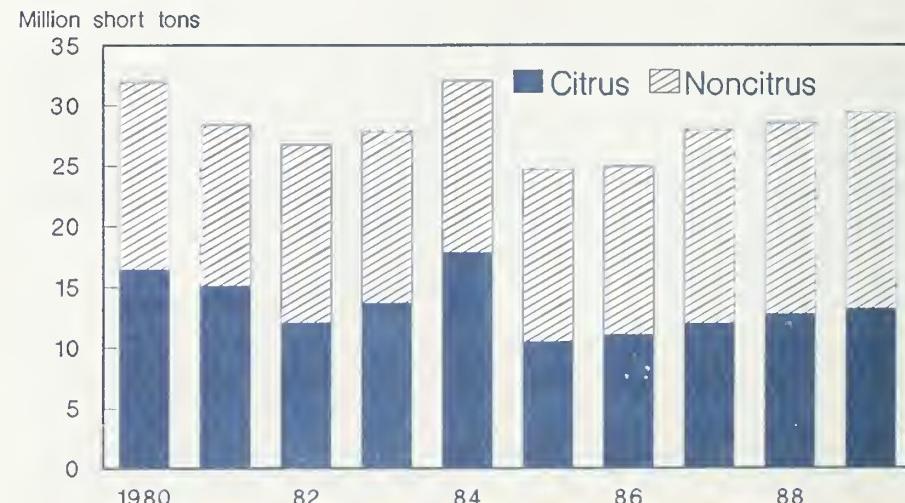
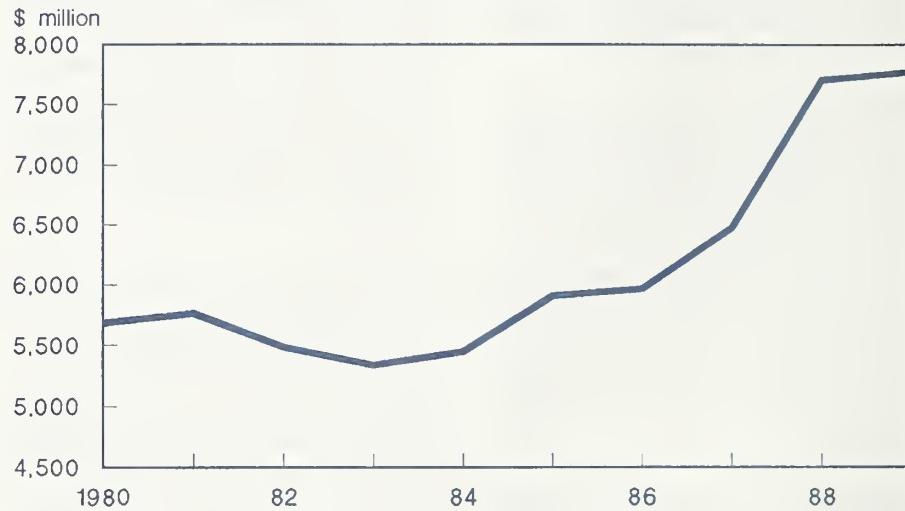
Noncitrus Utilized Production and Value Sets Record

Utilized production of citrus and noncitrus fruit reached 28.9 million short tons in 1989, up 3 percent from 1988, but 9 percent below 1980's record. The citrus and noncitrus crops (including strawberries) were valued at a record \$7.77 billion. Noncitrus fruit and strawberries accounted for 55 percent of the total U.S. volume and 66 percent of the total U.S. value.

Despite the small decrease in bearing acreage for noncitrus fruit in 1989, utilized production rose 3 percent from 1988 to a record 15.75 million short tons. The increase was primarily due to a 9-percent rise in apple output, but pear, sweet and tart cherry, apricot, kiwifruit, and papaya crops also were larger. Utilized production of noncitrus fruit was valued at \$4.64 billion, up 2 percent from 1988 and a record high.

On an upward trend since 1984/85, utilized citrus fruit production reached an estimated 13.18 million short tons in 1988/89, up 3 percent from the previous year, but well below 1983/84's record 17.83 million short tons. Total U.S. citrus production was valued at \$2.61 billion in 1988/1989, down less than 1 percent from the previous season, with larger crops of oranges, tangerines, grapefruit, and temples offsetting moderately smaller production of lemons,

Figure 1
U.S. Citrus and Noncitrus: Utilized Production and Total Value



limes, and tangelos. The upward trend in citrus production of the past 4 years will reverse in 1989/90 due to the freeze that hit Florida and Texas in late December 1989 and significantly disrupted citrus production there.

Grower and Retail Fruit Prices Rise

Despite moderately larger production in 1989, the index of prices received by growers for fresh and processing fruit strengthened in 1989, attesting to strong domestic and export demand. Consumers also paid more for fresh and processed fruit. The Bureau of Labor Statistics' (BLS) Consumer Price Index (CPI) for fresh fruit hit a record 152.4 (1982-84=100) for the year, up 7 percent from 1988, boosted by strong retail prices for bananas, pears, grapes, lemons, grapefruit, and valencia oranges, among others. The CPI for processed fruit also advanced 3 percent, with consumers paying higher prices for frozen fruits and juices, and canned and dried fruits. By comparison, the CPI for all food was 125.1 in 1989, up 6 percent from the previous year.

Figure 2
Consumer Price Index for Fresh and Processed Fruit

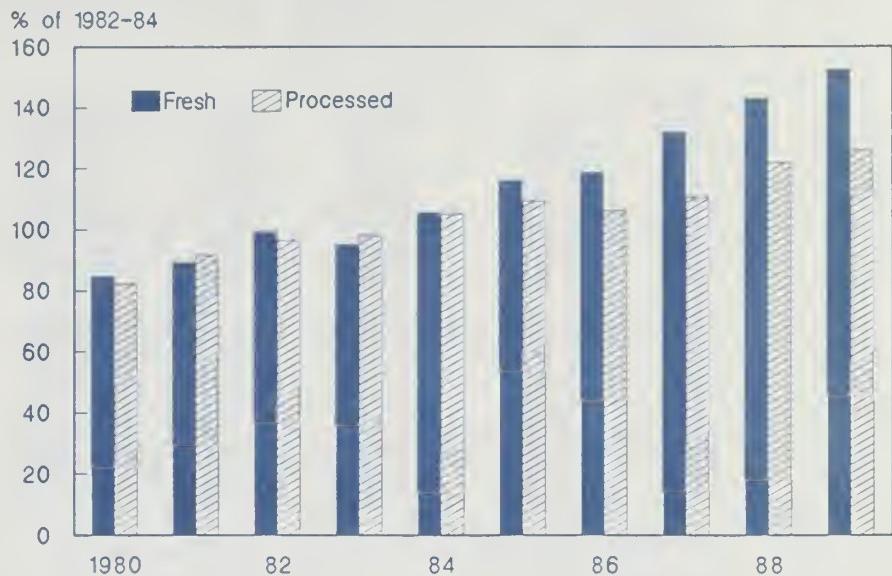


Table 1--Fruits and tree nuts bearing acreage, United States, 1970 to date

Year	Citrus fruit 1/	Major deciduous fruits 2/	Miscellaneous noncitrus 3/	Tree nuts 4/	Total 5/
--1,000 acres--					
1970	1,143.8	1,575.6	186.1	343.5	3,249.0
1971	1,193.8	1,547.0	186.1	365.7	3,292.6
1972	1,180.0	1,530.4	182.6	384.0	3,283.0
1973	1,201.6	1,534.3	183.4	398.9	3,318.2
1974	1,211.7	1,563.0	185.8	421.7	3,382.2
1975	1,215.7	1,596.9	191.3	443.0	3,446.9
1976	1,198.0	1,664.8	194.5	456.4	3,513.7
1977	1,180.2	1,674.2	198.4	482.9	3,535.7
1978	1,161.2	1,657.3	227.2	519.4	3,565.1
1979	1,149.5	1,627.7	236.3	555.9	3,569.4
1980	1,161.8	1,629.7	248.2	565.7	3,605.4
1981	1,148.0	1,612.1	255.0	561.4	3,576.5
1982	1,124.3	1,640.3	200.7	579.1	3,544.4
1983	1,091.6	1,674.4	207.0	599.0	3,572.0
1984	1,007.9	1,703.8	209.7	623.8	3,545.2
1985	899.3	1,725.0	212.3	657.1	3,493.7
1986	818.9	1,727.7	215.8	669.5	3,431.9
1987	826.2	1,739.1	217.1	675.4	3,457.8
1988	834.6	1,748.9	216.3	686.3	3,486.1
1989	843.4	1,747.7	210.3	680.1	3,481.5

1/ Grapefruit, lemons, limes, oranges, tangelos, tangerines and templets.
Acreage is for the year of harvest. 2/ Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes. 3/ Avocados, bananas, berries (until 1979), cranberries, (beginning 1983), dates, figs, kiwifruit (beginning 1980), olives, papayas, pineapples, and pomegranates. 4/ Almonds, hazelnuts (filberts), Macadamia nuts, walnuts, and pistachios (beginning 1977).
5/ Some figures may not add due to rounding.

Source: National Agricultural Statistics Service, USDA.

Table 2--Utilized production and value of production of citrus and noncitrus fruit,
United States, 1970 to date

Year	Utilized production			Value of production		
	Citrus 1/	Noncitrus 2/	Total	Citrus 1/	Noncitrus 2/	Total
	--1,000 short tons--			--1,000 dollars--		
1970	11,348	10,138	21,486	619,634	1,168,821	1,788,455
1971	11,919	10,795	22,714	732,818	1,276,377	2,009,195
1972	12,163	8,666	20,829	869,548	1,430,346	2,299,894
1973	13,894	11,205	25,099	928,343	2,080,717	3,009,060
1974	13,412	12,206	25,618	922,897	2,142,927	3,065,824
1975	14,586	12,659	27,245	980,360	2,087,751	3,068,111
1976	14,788	12,136	26,924	1,001,211	2,272,841	3,274,052
1977	15,242	12,605	27,847	1,149,055	2,753,685	3,902,740
1978	14,255	12,790	27,045	1,592,678	3,243,579	4,836,257
1979	13,329	14,008	27,337	1,770,613	3,651,072	5,421,685
1980	16,484	15,504	31,988	1,905,483	3,780,195	5,685,678
1981	15,105	13,332	28,437	1,866,685	3,897,887	5,764,572
1982	12,139	14,658	26,797	1,616,603	3,870,147	5,486,750
1983	13,682	14,168	27,850	1,743,421	3,596,024	5,339,445
1984	17,832	14,301	32,133	1,755,300	3,694,901	5,450,201
1985	10,525	14,191	24,716	2,080,250	3,830,971	5,911,221
1986	11,058	13,874	24,932	1,768,496	4,203,597	5,972,093
1987	11,993	16,011	28,004	2,053,493	4,420,955	6,474,448
1988	12,761	15,884	28,645	2,618,574	5,090,036	7,708,610
1989	13,183	16,300	29,483	2,611,570	5,158,591	7,770,161

1/ Year harvest was complete.

2/ Includes cranberries and strawberries but excludes other bushberries.

Source: National Agricultural Statistics Service, USDA.

Table 3--Bearing acreage for selected citrus and noncitrus fruits, United States, 1970 to date

Year	Cherries												Tangerines 1/ 2/	Grapefruit 1/	Lemons 1/	Limes 1/
	Apples	Peaches	Pears	Grapes	Sweet	Tart	Prunes and plums	Apricots	Figs	Oranges	Tangerines 1/ 2/					
	--1,000 acres--															
1970	402.5	248.8	94.8	535.5	52.4	59.3	140.5	34.0	16.6	846.8	27.8	157.6	54.8	3.9		
1971	402.2	233.6	94.8	535.1	52.2	56.1	110.6	32.2	16.4	887.0	29.9	163.2	57.1	4.3		
1972	405.2	221.7	94.3	531.1	52.6	54.2	130.6	30.8	15.6	866.6	33.7	166.6	60.4	4.5		
1973	399.1	220.3	92.6	548.8	53.2	52.9	127.3	29.3	15.3	867.9	34.3	170.7	63.5	4.5		
1974	396.0	220.0	90.7	584.9	54.4	51.6	124.6	29.8	15.2	887.5	35.3	173.3	71.1	4.4		
1975	395.6	217.6	89.8	626.4	54.1	49.7	122.0	29.6	15.0	862.3	38.3	173.6	73.0	4.4		
1976	403.2	215.3	88.6	701.4	52.1	45.0	117.4	28.4	14.4	848.0	35.5	177.0	74.6	4.4		
1977	403.4	204.1	87.1	724.2	51.4	42.9	118.2	28.2	13.0	836.0	33.3	181.2	73.6	4.5		
1978	404.3	198.0	85.0	720.2	49.6	40.8	116.7	27.9	12.2	812.8	30.2	188.6	74.8	3.8		
1979	407.6	193.9	82.7	696.5	48.3	40.8	116.9	24.8	12.0	801.2	28.1	192.8	74.1	4.1		
1980	412.2	194.2	81.0	698.6	47.0	42.0	111.5	24.8	14.3	806.0	26.9	199.9	75.2	4.7		
1981	414.9	188.3	76.1	694.4	45.9	40.8	107.4	23.3	14.8	794.6	26.6	197.0	76.9	5.3		
1982	418.3	188.6	74.4	719.5	44.8	40.3	109.6	22.5	14.7	777.7	32.4	199.1	75.8	6.4		
1983	424.5	190.4	70.7	746.3	44.4	40.9	112.3	21.8	15.8	750.8	31.3	199.3	71.5	7.3		
1984	422.9	194.3	69.1	770.0	44.5	43.7	113.9	20.9	17.3	688.2	25.5	191.6	69.8	7.0		
1985	430.7	193.1	68.6	782.2	44.7	45.7	117.5	20.0	17.8	617.7	23.2	162.8	66.6	6.7		
1986	442.4	191.0	67.6	770.6	45.4	48.2	120.1	19.6	18.0	561.5	20.6	145.2	65.3	6.8		
1987	452.3	190.1	68.7	763.7	46.6	50.1	124.9	19.2	18.1	569.5	19.3	147.9	63.9	6.7		
1988	464.1	183.4	69.3	760.8	47.5	49.3	129.6	19.2	17.7	575.3	19.5	149.6	64.5	7.0		
1989	480.0	185.4	69.5	745.0	48.6	49.3	127.3	18.7	16.9	583.6	19.2	151.4	63.8	6.6		
	--1,000 acres--															
Tanger- los 1/ 1/	Temple- ries 1/ 1/	Straw- berries	Pine- apples	Avocado	Nectar- ines	Cran- berries	Bananas	Kiwi- fruit	Dates	Papayas	Pome- granates	Mangos 3/ 3/	Total fruit			
	--1,000 acres--															
1970	18.1	21.8	50.4	61.0	23.7	7.8	21.7	0.8	--	4.0	1.0	1.2	1.4	2,888.2		
1971	21.4	23.0	47.8	61.0	24.4	8.5	22.4	0.7	--	4.0	1.0	1.3	1.4	2,891.6		
1972	20.0	22.4	43.4	58.0	25.2	9.9	22.6	0.7	--	4.1	1.0	1.3	1.4	2,877.9		
1973	19.2	22.3	40.6	57.5	26.8	10.8	23.1	0.7	--	4.2	1.4	2.2	1.4	2,889.9		
1974	18.8	21.9	39.3	55.0	30.0	11.0	23.4	0.6	--	4.1	1.7	1.6	1.4	2,927.6		
1975	18.9	21.9	39.6	50.0	32.9	12.1	23.3	0.6	--	4.1	1.8	1.9	1.7	2,960.2		
1976	18.6	20.5	34.5	48.0	38.2	13.4	23.1	0.6	--	3.8	1.9	2.1	1.7	3,011.7		
1977	18.4	20.3	35.7	45.0	44.5	14.7	22.5	0.6	--	3.9	2.2	2.4	1.7	3,013.0		
1978	17.9	18.9	37.6	43.0	51.2	14.8	23.1	0.6	--	4.0	2.2	2.4	1.7	2,982.3		
1979	17.1	18.3	36.5	44.0	59.4	16.2	23.2	0.6	--	3.9	2.2	2.8	1.5	2,949.5		
1980	17.3	18.2	36.1	43.0	67.1	18.4	23.2	0.6	1.6	4.0	2.0	3.1	1.5	2,974.4		
1981	16.8	17.7	37.0	41.0	73.0	21.0	23.2	0.7	3.0	4.1	2.1	3.3	1.5	2,950.7		
1982	16.1	16.8	40.3	36.0	78.0	22.2	23.4	0.7	3.4	4.1	2.2	3.3	1.5	2,972.0		
1983	15.6	15.8	43.3	35.0	83.0	23.1	24.1	0.9	3.1	4.2	2.1	3.8	1.5	2,982.8		
1984	12.3	13.5	43.3	35.0	84.0	24.5	24.6	0.9	3.8	4.3	2.6	3.4	1.7	2,932.6		
1985	10.1	12.2	44.1	34.5	85.2	22.4	25.7	0.8	4.8	4.4	2.7	3.5	1.8	2,849.5		
1986	9.5	10.0	44.4	36.0	86.3	22.8	26.3	1.0	5.6	4.5	2.4	3.5	2.1	2,776.7		
1987	9.5	9.4	46.1	36.1	86.1	23.6	26.7	1.1	6.8	4.9	2.4	3.4	2.2	2,799.3		
1988	9.4	9.3	47.2	34.6	86.1	25.3	27.3	1.1	7.1	5.1	2.3	3.5	2.4	2,817.5		
1989	9.5	9.3	45.6	32.7	85.2	23.8	27.0	1.0	7.1	5.0	2.5	3.1	2.5	2,819.6		

1/ Year harvest was complete.

2/ Includes Florida "honey" variety beginning in 1981/82 season.

3/ Florida only.

Sources: National Agricultural Statistics Service, USDA and Florida Agricultural Statistics Service.

Table 4—Total commercial production for selected citrus and noncitrus fruits, United States, 1970 to date.

1/ Year harvest was complete.
2/ Includes Florida "honey" variety beginning in 1981/82 season.

Sources: National Agricultural Statistics Service, USDA and Florida Agricultural Statistics Service.

Table 5--Average price indexes for fruits, United States, 1970 to date

Year	Index of all fruit prices received by growers (1977=100)	Producer price index --1982=100--				Consumer price index --1982-84=100--	
		Fresh fruit	Dried fruit	Canned fruits and juices	Frozen fruits and juices	Fresh fruit	Processed fruit
1970	59	42.3	29.3	39.8	37.5	35.6	38.4
1971	67	48.0	29.6	41.7	40.7	37.8	40.6
1972	72	48.2	34.9	43.4	43.8	39.8	41.8
1973	84	57.2	45.6	47.2	44.9	44.6	43.5
1974	86	60.8	50.1	56.3	47.1	48.5	50.3
1975	85	66.6	47.1	61.2	51.2	51.8	59.7
1976	80	67.4	53.8	61.5	50.9	51.7	59.3
1977	100	74.9	71.4	67.1	64.4	59.4	62.2
1978	137	90.1	78.2	75.3	75.9	71.0	68.9
1979	144	98.2	117.0	84.6	81.3	79.8	77.0
1980	124	100.3	97.4	90.3	79.9	84.8	82.1
1981	130	96.6	99.1	96.6	100.0	89.4	91.7
1982	175	100.0	100.0	100.0	100.0	99.3	96.7
1983	128	106.4	100.0	101.0	98.7	95.1	98.1
1984	202	106.8	94.4	110.1	114.8	105.6	105.2
1985	180	108.1	88.7	113.8	118.5	116.3	109.5
1986	169	112.9	91.9	111.0	103.0	118.7	106.3
1987	181	112.0	95.0	115.3	113.3	132.0	110.6
1988	184	112.7	99.1	120.1	129.9	143.0	122.0
1989	190	111.6	102.8	122.5	124.4	152.4	125.9

Sources: National Agricultural Statistics Service, USDA and Bureau of Labor Statistics, Department of Labor.

Table 6--Annual average retail prices for selected fruits, United States, 1980 to date

Year	Red delicious apples	Bananas	Anjou pears	Thompson seedless grapes	Lemons	Grapefruit	Oranges	
							Navel	Valencias
--Dollars/pound--								
1980	0.629	0.342	0.609	1.064	0.702	0.354	0.365	0.373
1981	.565	.362	.590	1.143	.700	.395	.391	.406
1982	.639	.354	.606	1.014	.771	.354	.433	.556
1983	.590	.386	.619	1.071	.748	.365	.387	.384
1984	.657	.359	.541	1.100	.752	.398	.425	.650
1985	.685	.367	.703	.945	.929	.471	.533	.538
1986	.773	.385	.768	1.140	.821	.509	.481	.463
1987	.728	.365	.745	1.173	.897	.518	.543	.578
1988	.729	.418	.628	1.163	.933	.517	.528	.585
1989	.688	.449	.733	1.205	.995	.525	.516	.599

Source: Bureau of Labor Statistics, Department of Labor.

Processing Market Takes Larger Share of 1989 Noncitrus Production

Utilized production and value of noncitrus fruit reaches record high in 1989 with processing taking 5 percent more than the previous year.

At 15.75 million short tons, utilized production of noncitrus fruit (excluding strawberries and bushberries) hit a record high in 1989, rising 2 percent from the previous record set in 1987 and 3 percent from 1988. Despite the smaller harvest of several noncitrus fruits, including grapes and peaches, processing used 64 percent of total utilized production, compared with 63 percent in 1988. Although the amount processed increased for all major product forms except wine, the share of processed utilization accounted for by each form remained fairly steady between 1988 and 1989.

Fresh Utilization Slightly Down In 1989

Fresh market use of the 1989 noncitrus fruit harvest (excluding strawberries and bushberries) totaled 5.6 million short tons, down less than 1 percent from 1988's record. Fresh market shipments of apples, sweet and tart cherries, kiwifruit, papayas, and pears increased with the larger crops, but the heavier volume was offset by smaller shipments of table grapes, nectarines, peaches, and plums.

On average, growers received higher prices than in 1988 for table grapes, nectarines, peaches, and prunes and plums in Idaho, Michigan, Oregon, and Washington, due to the smaller harvests of these commodities. Papaya growers also received higher prices in 1989 despite larger production because of continuing strong fresh market demand.

Processed Use Record High

Processing use accounted for a record 10.1 million short tons of noncitrus fruit in 1989, 5 percent more than the previous year, and 2 percent more than the

1987 record. The relative shares of total processed utilization among the different processed forms—canned, dried, frozen, and wine—remained similar to 1987/88.

Although canners took 4 percent more noncitrus fruit in 1989 than in 1988, at 2.38 million short tons, the share of total production used for canning remained unchanged at 24 percent. Most of the increase in canning use was accounted for by strong processor demand for pears and olives, which offset a decline in canning use of peaches, apples, and cherries.

Dried fruit accounted for 28 percent of total processed noncitrus production in 1989, up from 26 percent in 1988 and 24 percent in 1987. The increased share was due to the large crops of raisins and prunes in 1989.

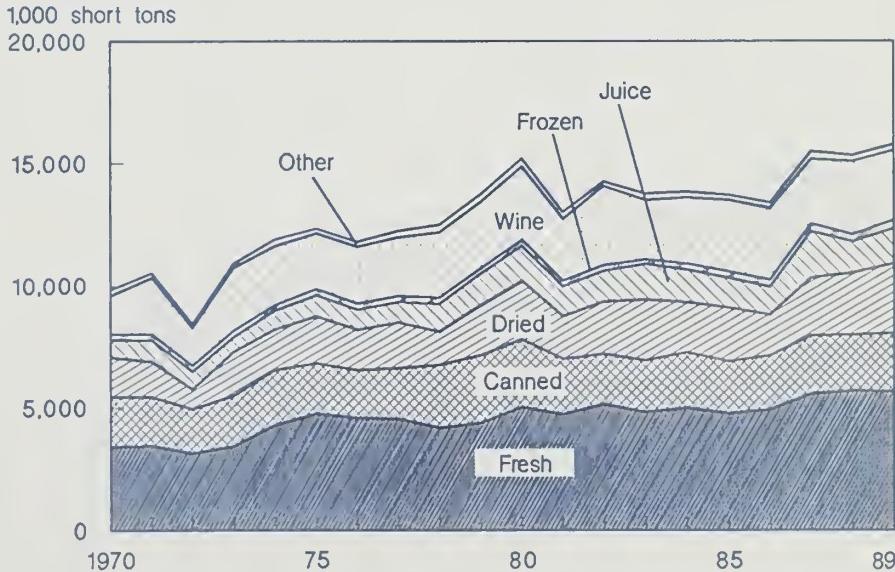
In 1989, 2.85 million short tons (fresh weight equivalent) of noncitrus fruits

were dried, up 12 percent from 1988. Raisins, prunes, and dates accounted for about 94 percent of total dried fruit production in 1989; raisins alone provided well over one-half.

In 1989, 1.44 million short tons of noncitrus fruit was used for juice, up 13 percent from the previous year. Juice accounted for 14 percent of total processed noncitrus utilization, compared with 13 percent in 1988. The large 1989 apple crop was largely responsible for the increase in juice production, although a slightly larger portion of the grape crop was also crushed for juice. In 1989, processors pressed 2.07 billion pounds of apples for juice and cider. This was 51 percent of all apples used for processing, up from the 48 percent (1.82 billion pounds) used in 1988.

Although frozen use of noncitrus fruit rose 16 percent between 1988 and 1989 to a record 342,000 short tons, frozen

Figure 3
Noncitrus Fruit Utilization



fruit's share of total processed utilization has remained unchanged at 3 percent for the past three seasons. Apples account for the lion's share of noncitrus fruits used for freezing. Consistently

large apple crops over the past few years, the acceptance of frozen apples in government purchase programs such as the school lunch program, and heavier foodservice use have been largely

responsible. In 1989, 321.5 million pounds of apples went to processors for freezing, up 21 percent from the previous year.

Table 7--Utilization of noncitrus fruit production, and value, United States, 1970 to date 1/

Year	Utilized production 2/	Fresh	Processed						Value of utilized production 1,000 dollars
			Canned	Dried	Juice	Frozen	Wine	Other	
--1,000 short tons (fresh equivalent)--									
1970	9,890	3,378	2,030	1,634	708	221	1,583	238	1,062,354
1971	10,535	3,421	2,003	1,431	877	240	2,310	192	1,159,402
1972	8,436	3,114	1,805	804	720	244	1,520	169	1,320,084
1973	10,965	3,403	2,071	1,795	598	254	2,567	196	1,948,531
1974	11,937	4,270	2,251	1,655	768	223	2,416	279	1,987,805
1975	12,384	4,734	2,056	1,920	863	251	2,276	205	1,919,399
1976	11,846	4,564	1,942	1,661	818	254	2,322	208	2,081,819
1977	12,274	4,531	2,060	1,870	841	244	2,412	258	2,533,727
1978	12,460	4,167	2,549	1,365	1,140	257	2,672	311	3,034,322
1979	13,689	4,358	2,758	2,044	1,285	226	2,713	305	3,404,222
1980	15,153	5,010	2,747	2,408	1,418	251	2,996	322	3,491,419
1981	12,961	4,709	2,263	1,722	1,235	231	2,522	280	3,586,740
1982	14,216	5,127	2,036	2,155	1,255	227	3,227	188	3,445,555
1983	13,721	4,803	2,110	2,481	1,460	185	2,423	259	3,188,836
1984	13,806	4,972	2,259	2,060	1,336	245	2,695	239	3,281,650
1985	13,682	4,749	2,119	2,192	1,226	263	2,921	212	3,380,152
1986	13,365	4,896	2,211	1,668	1,135	286	2,909	259	3,699,956
1987	15,453	5,553	2,369	2,367	1,893	306	2,647	317	3,868,619
1988	15,295	5,664	2,284	2,546	1,274	296	2,983	248	4,545,757
1989	15,745	5,634	2,381	2,853	1,437	342	2,853	244	4,638,852

1/ Apples, apricots, avocados, bananas, cherries (sweet and tart), cranberries, dates, figs, grapes, kiwifruit, nectarines, olives, papayas, peaches, pears, pineapples, pomegranates, plums and prunes other States, California plums, and prunes. 2/ Production for 1970 to 1977 includes excess cullage for California clingstone peaches and is not equal to fresh plus processed quantities.

Source: National Agricultural Statistics Service, USDA.

Table 8--Fruits, frozen: Commercial pack, United States, 1970 to date

Year	Apples	Apricots	Cherries tart	Cherries sweet	Grape and pulp	Peaches	Plums and prunes	Purees, noncitrus 1/
--1,000 pounds--								
1970	100,370	12,107	121,271	4,124	5,185	47,471	8,269	15,170
1971	96,999	10,977	159,408	2,568	5,761	59,924	3,666	16,331
1972	130,377	15,512	145,570	3,266	5,333	46,316	5,075	10,582
1973	135,086	16,534	109,368	5,209	4,145	81,388	6,121	12,228
1974	99,180	11,848	137,976	8,890	2,897	59,058	6,315	5,311
1975	89,704	15,886	126,073	6,712	4/	40,273	5,236	5,983
1976	118,759	15,008	84,113	12,386	1,723	65,101	4,977	16,171
1977	97,204	15,749	154,600	13,011	4,892	69,323	3,594	16,833
1978	68,337	11,814	126,300	18,362	4,529	40,814	2,774	16,338
1979	60,827	16,941	116,300	13,262	2,264	62,510	5,649	12,251
1980	69,109	10,409	129,009	10,776	2,178	56,274	6,195	8,913
1981	105,893	13,606	85,848	14,209	2,901	59,612	4,368	16,128
1982	100,378	16,766	3/	17,206	8,442	56,714	5,631	20,268
1983	75,576	14,077	3/	17,303	10,006	56,454	2,646	16,169
1984	77,996	16,565	3/	13,282	4/	75,877	3,436	15,645
1985	85,481	11,770	3/	10,262	4,715	80,990	4,400	24,655
1986	111,133	14,308	3/	14,404	4/	100,730	4,354	29,424
1987	122,399	22,227	3/	21,332	4/	105,764	657	39,749
1988	117,076	14,675	3/	18,482	4/	110,286	507	24,707
1989	123,260	17,564	3/	14,010	4/	99,217	753	28,686
-- 1,000 pounds --								
Black-berries	Blue-berries	Boysen-berries	Logan-berries	Rasp-berries	Straw-berries	Miscellaneous fruit and berries 2/	Total	
1970	29,186	21,836	8,478	1,756	29,504	201,572	14,389	620,688
1971	27,536	30,441	6,245	1,858	28,102	199,399	16,263	665,478
1972	21,164	30,932	6,203	1,517	24,361	146,842	19,012	612,062
1973	8,249	44,376	6,275	852	29,309	168,552	22,472	650,164
1974	21,107	24,393	5,093	1,877	22,107	170,371	25,681	602,104
1975	20,892	24,572	4,815	2,954	26,652	183,895	13,178	566,825
1976	22,774	26,261	4,094	2,371	22,561	216,153	16,061	628,513
1977	23,352	14,750	3,836	3,427	24,988	220,391	21,459	687,409
1978	19,579	27,992	3,048	2,089	21,195	159,834	19,561	542,566
1979	14,823	31,485	2,732	1,276	23,518	190,572	20,454	574,864
1980	20,874	36,426	4,678	1,905	21,426	253,072	22,158	653,402
1981	16,997	50,141	3,627	1,552	26,179	210,558	17,324	628,923
1982	16,283	46,464	5,101	1,665	26,717	272,676	20,004	614,315
1983	14,581	43,528	3,549	2,223	19,855	292,662	5,640	574,269
1984	11,130	54,835	3,524	1,018	19,659	231,414	37,839	562,220
1985	12,681	54,506	2,561	775	14,784	229,152	16,148	552,880
1986	12,955	77,754	5,493	1,133	15,323	237,604	22,960	647,575
1987	21,027	69,153	5,234	1,016	26,471	334,406	80,727	850,162
1988	21,437	82,382	6,706	1,461	26,509	274,610	130,908	829,746
1989	13,765	89,274	4,936	720	29,284	238,152	145,070	804,691

1/ Includes purees of apples, apricots, bananas, blackberries, black and red raspberries, boysenberries, cherries, elderberries, loganberries, nectarines, peaches, plums, strawberries, cantaloupes, grapes, melons, blueberries, cranberries, guava, kiwi, marionberries, passionfruit, prunes, pears, and gooseberries. 2/ Includes cranberries, gooseberries, marionberries, melonballs, mixed fruit, Montmorency cherries, chelalems, elderberries, gooseberries, Morello cherries, grape and pulp (1975 and 1984 only), pears, ollalieberries, canteloupes, crabapples, pineapples, guava, currants, lemons, oranges, melons, kiwi, and passionfruit, avocado, strawberry preserves, and watermelon. 3/ Due to lack of industry disclosure tart cherries have been removed from prior years; however, in 1987, 1988, and 1989 they are included in miscellaneous fruit and berries. 4/ Included in miscellaneous fruits and berries.

Source: American Frozen Food Institute.

Table 9--Fruit, dried: Production (dry basis), California, 1970 to date

Year	Apples	Apricots	Dates	Figs 1/	Peaches 2/	Pears 3/	Prunes	Grapes 4/	Total
--Short tons--									
1970	4,350	5,600	18,200	14,070	2,275	585	200,000	193,450	438,530
1971	2,500	4,000	19,500	13,440	1,860	750	131,000	194,830	367,880
1972	4,125	3,000	15,700	11,050	1,500	960	77,000	105,350	218,685
1973	5/	3,260	23,100	12,420	1,500	790	205,000	224,526	470,596
1974	5/	2,640	22,700	13,130	1,750	700	142,000	243,130	426,050
1975	5/	4,500	24,800	11,610	2,375	5/	149,000	283,650	475,935
1976	4,300	4,650	22,400	10,070	2,500	1,270	148,000	218,400	411,590
1977	3,700	5,100	25,400	12,700	2,500	1,130	159,000	248,900	458,430
1978	3,700	3,600	21,550	9,300	2,000	855	132,000	172,475	345,480
1979	5,200	5,300	21,300	11,640	1,800	1,530	136,000	303,390	486,160
1980	2,140	3,600	22,400	14,450	2,200	1,500	168,000	310,550	524,840
1981	1,400	3,800	22,300	12,200	2,050	1,440	159,500	258,000	460,690
1982	1,000	4,800	23,900	12,200	2,600	1,200	126,000	295,300	467,000
1983	1,000	4,100	17,000	11,050	2,000	1,080	145,000	398,500	579,730
1984	2,050	3,520	22,200	11,500	1,550	780	148,000	335,350	524,950
1985	4,700	2,000	28,900	10,400	2,050	1,310	141,000	347,940	538,300
1986	1,950	1,400	17,800	16,200	1,800	1,410	99,000	278,900	418,460
1987	2,900	2,980	19,400	16,850	3,900	1,130	229,000	357,950	634,110
1988	17,800	2,640	22,000	13,450	5,000	1,220	151,000	366,500	579,610
1989	17,650	3,280	22,000	14,000	3,400	1,119	215,000	433,200	709,649

1/ Standard and substandard.

2/ Freestone only.

3/ Bartlett only.

4/ Raisin and table type.

5/ Missing data not published to avoid disclosure of individual operations.

Source: National Agricultural Statistics Service, USDA.

Table 10--Apples: Production, utilization, and season-average grower price, United States, 1970 to date 1/

Year	Production		Utilization		Grower price		
	Total 2/	Utilized	Fresh	Processed	Fresh	Processing	All
--Million pounds--							
1970	6,397.7	6,258.4	3,531.5	2,726.9	6.53	39.20	4.54
1971	6,373.2	6,082.7	3,483.9	2,598.8	6.97	43.40	4.92
1972	5,878.8	5,867.5	3,342.0	2,525.5	8.92	62.80	6.43
1973	6,265.0	6,251.5	3,539.4	2,712.1	10.70	125.00	8.80
1974	6,579.7	6,529.8	3,690.5	2,839.3	11.10	96.1	8.40
1975	7,530.0	7,102.6	4,357.0	2,745.6	8.80	56.80	6.50
1976	6,472.2	6,466.9	3,915.8	2,551.1	11.50	108.00	9.10
1977	6,739.6	6,710.0	3,859.6	2,850.4	13.80	122.00	10.60
1978	7,596.9	7,544.0	4,210.4	3,333.6	13.90	117.00	10.40
1979	8,126.1	8,101.2	4,288.6	3,812.6	15.40	114.00	10.90
1980	8,818.4	8,800.4	4,934.1	3,866.3	12.10	84.00	8.70
1981	7,739.6	7,692.9	4,442.2	3,250.7	15.40	102.00	11.10
1982	8,122.0	8,110.2	4,536.7	3,573.5	13.20	118.00	10.00
1983	8,378.5	8,357.9	4,620.5	3,737.4	14.80	104.00	10.50
1984	8,324.0	8,309.1	4,654.6	3,654.5	15.50	112.00	11.10
1985	7,914.5	7,826.8	4,221.7	3,605.1	17.30	103.00	11.70
1986	7,859.0	7,833.3	4,463.6	3,369.1	19.10	116.00	13.40
1987	10,742.1	10,451.3	5,610.1	4,841.2	12.70	79.30	8.60
1988	9,131.0	9,081.4	5,240.3	3,841.1	17.40	123.00	12.70
1989	9,965.6	9,920.2	5,875.3	4,044.9	13.40	108.00	10.20

1/ Commercial crop in orchards of 100 or more bearing trees.

2/ Includes unharvested and harvested not sold.

Source: National Agricultural Statistics Service, USDA.

Table 11--Apples, fresh: Monthly prices received by growers, United States, 1970 to date

Year	January	February	March	April	May	June	July	August	September	October	November	December
--Dollars/pound--												
1970	0.483	0.467	0.455	0.485	0.567	0.627	0.734	0.723	0.637	0.630	0.638	0.648
1971	.619	.611	.626	.646	.669	.729	.735	.706	.691	.677	.672	.675
1972	.660	.665	.705	.739	.733	.775	.814	.787	.816	.787	.816	.836
1973	.861	.905	.995	.107	.125	.137	.127	.104	.101	.103	.102	.103
1974	.105	.105	.108	.108	.112	.138	.115	.990	.114	.105	.101	.970
1975	.950	.100	.113	.128	.143	.170	.161	.970	.100	.880	.810	.820
1976	.079	.081	.093	.100	.086	.074	.081	.108	.121	.119	.107	.106
1977	.104	.107	.114	.123	.117	.128	.135	.123	.123	.122	.125	.124
1978	.123	.132	.142	.155	.213	.244	.215	.145	.149	.134	.139	.135
1979	.135	.139	.141	.139	.139	.130	.162	.149	.149	.133	.142	.143
1980	.141	.149	.166	.170	.179	.210	.246	.175	.157	.125	.115	.107
1981	.107	.124	.121	.113	.107	.105	.127	.146	.160	.160	.161	.157
1982	.141	.157	.160	.145	.162	.177	.153	.128	.163	.145	.139	.130
1983	.110	.122	.120	.113	.119	.111	.120	.160	.159	.149	.146	.140
1984	.143	.151	.152	.148	.150	.146	.149	.165	.185	.174	.164	.156
1985	.140	.143	.157	.151	.141	.131	.126	.121	.164	.154	.164	.166
1986	.166	.172	.172	.172	.207	.210	.285	.276	.209	.180	.173	.165
1987	.183	.190	.180	.191	.224	.246	.255	.152	.148	.121	.113	.104
1988	.111	.129	.125	.110	.109	.104	.228	.277	.237	.185	.175	.174
1989	.181	.180	.166	.144	.135	.108	.115	.159	.168	.143	.133	.121
1990	.123	.124	.124	.121	.126	.123	.184					

Source: National Agricultural Statistics Service, USDA.

Table 12--Apples, Washington Red Delicious: Season-average prices and spreads for the Northeast and North Central regions, 1980/81 to date 1/

Season 2/	Northeast						North Central					
	Price 3/			Spreads			Price 3/			Spreads		
	F.o.b. shipping point	Wholesale	Retail value 4/	Shipping point- Wholesale	Wholesale- retail	F.o.b. shipping point	Wholesale	Retail value 4/	Shipping point- Wholesale	Wholesale- retail		
--Dollars per 42 pound carton--												
1980/81	9.27	12.92	20.74	3.65	7.82	9.27	13.00	21.68	3.73	8.68		
1981/82	13.36	18.86	24.83	5.50	5.97	13.41	18.93	26.38	5.52	7.45		
1982/83	9.90	15.93	22.15	6.03	6.22	9.80	13.43	22.62	3.63	9.19		
1983/84	11.31	15.78	25.25	4.47	9.47	11.78	15.48	25.94	3.70	10.46		
1984/85	14.11	20.76	27.24	6.65	6.48	13.97	17.62	28.01	3.65	10.39		
1985/86	14.72	20.47	28.69	5.75	8.22	14.55	19.68	27.17	5.13	7.49		
1986/87	14.18	19.21	29.75	5.03	10.54	14.27	19.08	29.97	4.81	10.89		
1987/88	9.88	14.04	27.42	4.16	13.38	9.92	14.79	27.67	4.87	12.88		
1988/89	12.13	18.59	32.96	6.46	14.37	12.07	16.77	30.63	4.70	13.86		

1/ U.S. extra fancy 1984/85-86/87, WA extra fancy 1987/88 forward, size 80-125.

2/ October-June.

3/ F.o.b. shipping point prices in Washington are weighted by monthly arrivals of all Washington apples in New York for Northeast region and Chicago for North Central region.

4/ Adjusted to allow for 4-percent loss incurred during marketing.

Source: Commodity Economics Division, ERS, USDA.

Table 13--Fresh apples: Supply and utilization, 1970/71 to date

Season 1/	Supply			Utilization			
	Fresh utilization	Imports	Total supply	Consumption			Per capita Pounds
				Exports	Shipments	Total	
--Million pounds--							
1970/71	3,531.5	95.1	3,626.6	102.3	11.0	3,513.3	17.02
1971/72	3,483.9	80.3	3,564.2	118.8	14.3	3,431.1	16.42
1972/73	3,342.9	103.5	3,446.4	149.7	19.3	3,277.4	15.53
1973/74	3,539.4	90.0	3,629.4	181.9	13.3	3,434.2	16.13
1974/75	3,690.5	79.2	3,769.7	232.8	11.4	3,525.5	16.40
1975/76	4,357.0	119.1	4,476.1	236.3	9.4	4,230.4	19.49
1976/77	3,915.8	103.3	4,019.1	267.9	7.4	3,743.8	17.08
1977/78	3,859.6	123.6	3,983.2	316.8	8.5	3,657.9	16.52
1978/79	4,210.4	157.2	4,367.6	325.7	13.1	4,028.8	18.00
1979/80	4,288.6	153.0	4,441.6	521.8	14.8	3,905.0	17.24
1980/81	4,934.1	177.2	5,111.3	686.1	18.6	4,406.6	19.24
1981/82	4,442.2	149.7	4,591.9	596.2	14.4	3,981.3	17.20
1982/83	4,536.7	197.5	4,734.2	595.9	12.6	4,125.7	17.65
1983/84	4,620.5	233.5	4,854.0	492.3	9.5	4,352.2	18.44
1984/85	4,654.6	241.9	4,896.5	462.8	9.9	4,423.8	18.57
1985/86	4,221.7	314.6	4,536.3	327.3	9.9	4,199.1	17.46
1986/87	4,463.6	310.2	4,773.8	369.1	14.1	4,390.6	18.08
1987/88	5,610.1	262.8	5,872.9	654.7	10.3	5,207.9	21.24
1988/89	5,240.3	256.3	5,496.6	575.5	N.A.	4,921.1	19.87
1989/90 2/	5,875.3	261.2	6,136.5	733.2	N.A.	5,403.3	21.60

N.A.= Not available.

1/ Season beginning August.

2/ Preliminary, imports and exports projected based on first 9 month of season.

Source: Commodity Economics Division, ERS, USDA.

Table 14--Apples: Processed utilization and season-average grower price, United States, 1970 to date 1/

Year	Canned		Juice and cider		Frozen		Dried		Other 2/	
	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
1970	1,158.5	47.90	1,031.7	27.90	203.0	53.40	189.8	33.20	143.9	37.30
1971	1,093.5	49.40	1,087.0	36.10	190.5	52.20	96.2	45.40	131.6	37.50
1972	976.9	67.40	1,028.6	55.70	235.3	76.00	148.6	68.60	136.1	42.40
1973	1,255.4	131.00	822.2	98.20	259.2	171.00	247.7	104.00	127.6	103.00
1974	1,225.6	123.00	1,030.7	64.70	181.7	121.00	197.2	99.70	204.1	64.80
1975	1,026.7	57.50	1,191.6	52.60	206.6	73.10	229.5	65.50	91.2	47.40
1976	919.9	120.00	1,109.1	91.60	220.4	143.00	229.3	105.00	72.4	114.00
1977	1,075.9	133.00	1,267.2	109.00	160.9	138.00	225.5	132.00	120.9	112.00
1978	1,224.2	119.00	1,494.6	110.00	207.4	126.00	221.0	154.00	186.4	115.00
1979	1,336.7	125.00	1,953.8	103.00	136.6	133.00	255.7	135.00	129.8	110.00
1980	1,202.4	97.40	2,136.9	73.70	167.5	112.00	194.7	78.70	164.8	91.00
1981	1,002.4	121.00	1,798.4	87.90	172.7	160.00	190.0	77.10	87.2	109.00
1982	1,248.6	132.00	1,807.8	103.00	190.8	143.00	209.9	132.00	116.4	123.00
1983	1,204.4	117.00	1,984.7	88.90	169.6	161.00	283.3	106.00	95.4	116.00
1984	1,176.7	137.00	1,888.8	88.20	198.1	151.00	288.6	123.00	102.3	133.00
1985	1,255.4	132.00	1,839.1	74.60	194.3	139.00	242.4	132.00	73.9	117.00
1986	1,179.0	132.00	1,643.1	96.50	257.3	150.00	199.4	123.00	90.9	125.00
1987	1,305.8	118.00	2,928.8	57.80	249.1	132.00	283.8	67.70	73.7	99.90
1988	1,399.1	152.00	1,824.6	95.70	265.7	164.00	285.0	106.00	66.7	131.00
1989	1,318.6	141.00	2,065.7	79.50	321.5	158.00	282.4	96.80	56.7	134.00

1/ Commercial crop.

2/ Includes vinegar, wine, jam, fresh slices for pie making.

Source: National Agricultural Statistics Service, USDA.

Table 15--Avocados: Production, season-average grower price, and value, by States, 1970/71 to date

Season 1/	California			Florida			United States		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	Short ton	Dollars/ ton	1,000 dollars	Short ton	Dollars/ ton	1,000 dollars	Short ton	Dollars/ ton	1,000 dollars
1970/71	67,000	376.00	25,192	18,800	290.00	5,452	85,800	357.00	30,644
1971/72	26,100	952.00	24,847	19,300	338.00	6,523	45,400	691.00	31,370
1972/73	70,500	546.00	38,493	18,800	321.00	6,035	89,300	499.00	44,528
1973/74	53,400	793.00	42,346	20,300	355.00	7,207	73,700	672.00	49,553
1974/75	105,500	475.00	50,113	21,900	327.00	7,161	127,400	450.00	57,274
1975/76	58,400	1,037.00	60,561	29,000	400.00	11,600	87,400	826.00	72,161
1976/77	120,000	593.00	71,160	21,100	410.00	8,651	141,100	566.00	79,811
1977/78	107,000	740.00	79,180	10,700	690.00	7,383	117,700	735.00	86,563
1978/79	123,000	691.00	84,993	23,100	400.00	9,240	146,100	645.00	94,233
1979/80	75,000	1,496.00	112,200	27,300	597.00	16,298	102,300	1,256.00	128,498
1980/81	238,000	357.00	84,966	30,800	529.00	16,293	268,800	377.00	101,259
1981/82	157,000	689.00	108,173	25,800	501.00	12,926	182,800	662.00	121,099
1982/83	202,000	460.00	92,920	34,700	480.00	16,658	236,700	463.00	109,578
1983/84	247,000	370.00	91,390	27,000	460.00	12,409	274,000	379.00	103,799
1984/85	200,000	582.00	116,400	29,500	390.00	11,496	229,500	557.00	127,896
1985/86	160,000	1,020.00	163,200	28,500	576.00	16,415	188,500	953.00	179,615
1986/87	278,000	338.00	93,964	24,700	412.00	10,176	302,700	344.00	104,140
1987/88	180,000	1,140.00	205,200	29,000	312.00	9,048	209,000	1,030.00	214,248
1988/89	165,000	1,260.00	207,900	27,000	436.00	11,772	192,000	1,140.00	219,672
1989/90	100,000	2,010.00	201,000	33,500	332.00	11,122	133,500	1,590.00	212,122

1/ Season beginning November 1 to November 30 (following year) for California and June 20 to February 28 for Florida.

Source: National Agricultural Statistics Service, USDA.

Table 16--Fresh bananas: Supply and utilization, 1970 to date

Year	Supply			Utilization			Consumption		
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total	Per capita		
							--Million pounds--		
1970	5.6	3,558.3	3,563.9	0.0	0.1	3,563.8	17.38		
1971	4.7	3,745.1	3,749.8	.0	.1	3,749.8	18.06		
1972	5.1	3,756.7	3,761.8	.0	.0	3,761.8	17.92		
1973	6.6	3,842.0	3,848.6	.0	.0	3,848.6	18.16		
1974	6.6	3,949.1	3,955.7	.0	1.4	3,954.3	18.49		
1975	6.2	3,804.9	3,811.1	.0	1.3	3,809.8	17.64		
1976	5.0	4,194.5	4,199.5	.0	1.6	4,197.9	19.26		
1977	5.8	4,227.1	4,232.9	.0	2.2	4,230.7	19.21		
1978	5.7	4,491.0	4,496.7	.0	1.2	4,495.5	20.20		
1979	5.6	4,718.5	4,724.1	.0	1.8	4,722.3	20.98		
1980	4.6	4,733.4	4,738.0	.0	2.9	4,735.1	20.79		
1981	6.0	4,941.6	4,947.6	.0	.9	4,947.6	21.49		
1982	5.8	5,233.8	5,239.6	.0	.7	5,239.6	22.53		
1983	4.5	4,976.6	4,981.1	0.5	.5	4,980.6	21.21		
1984	8.9	5,235.3	5,244.2	.0	.5	5,244.2	22.13		
1985	8.2	5,593.4	5,601.6	.0	.1	5,601.6	23.41		
1986	9.7	6,207.5	6,217.2	.0	1.9	6,215.3	25.72		
1987	11.4	6,069.2	6,080.6	.0	2.0	6,078.6	24.92		
1988	13.2	5,938.5	5,951.7	.1	N.A.	5,951.6	24.16		
1989	11.9	6,101.8	6,113.7	4.0	N.A.	6,109.7	24.56		

N.A. = Not available.

Source: Commodity Economics Division, ERS, USDA.

Table 17--Cherries, sweet: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processed	All
			--Short tons--		--Dollars/ton--		
1970	122,260	121,530	48,292	73,238	475.00	276.00	355.00
1971	141,290	139,990	68,627	71,363	409.00	224.00	315.00
1972	96,050	95,840	41,668	54,172	589.00	223.00	382.00
1973	158,630	154,630	82,839	71,791	412.00	296.00	358.00
1974	146,980	146,980	67,516	79,464	538.00	350.00	436.00
1975	155,710	155,710	77,300	78,410	540.00	296.00	407.00
1976	172,310	167,080	94,510	72,570	417.00	323.00	384.00
1977	148,920	148,420	72,320	76,100	594.00	399.00	495.00
1978	156,780	156,780	66,670	90,110	867.00	555.00	688.00
1979	184,030	184,030	86,030	98,000	713.00	509.00	604.00
1980	173,700	168,300	86,460	81,840	723.00	375.00	554.00
1981	154,540	147,520	71,738	75,782	936.00	447.00	635.00
1982	156,600	134,610	67,610	67,000	969.00	427.00	699.00
1983	181,200	168,765	95,090	73,675	785.00	430.00	630.00
1984	181,800	164,250	90,490	73,760	799.00	377.00	609.00
1985	132,500	126,500	53,040	73,460	1,190.00	515.00	799.00
1986	137,710	136,760	68,320	68,440	1,090.00	552.00	823.00
1987	215,000	213,020	108,140	104,880	953.00	536.00	748.00
1988	186,200	184,510	87,230	97,280	1,100.00	509.00	788.00
1989	194,450	191,930	103,510	88,420	932.00	454.00	712.00

Source: National Agricultural Statistics Service, USDA.

Table 18--Cherries, tart: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processed	All
			--Million pounds--		--Cents/pound--		
1970	248.8	235.8	10.0	225.8	11.6	7.4	7.6
1971	277.3	276.0	8.8	267.3	11.2	9.7	9.8
1972	311.8	268.6	6.3	262.3	12.0	8.1	8.2
1973	174.6	173.4	5.4	168.0	17.1	19.1	19.0
1974	264.9	264.6	4.4	260.2	20.4	18.5	18.5
1975	290.5	246.1	7.2	238.9	17.8	10.1	10.2
1976	146.6	146.6	6.0	140.6	24.3	25.1	25.1
1977	210.9	210.9	6.1	204.8	28.8	29.4	29.4
1978	181.2	181.2	5.0	176.2	38.6	43.9	43.8
1979	170.4	170.4	4.3	166.1	39.4	47.5	47.2
1980	218.1	216.2	6.3	209.9	29.5	19.9	20.2
1981	133.2	132.8	4.0	128.8	42.7	44.5	44.5
1982	310.9	244.9	7.4	237.5	27.6	13.7	14.1
1983	154.6	153.6	5.3	148.3	48.5	46.5	46.6
1984	271.6	255.9	7.9	248.0	44.2	24.4	25.0
1985	286.2	280.2	7.6	272.6	33.4	22.1	22.4
1986	224.1	218.4	5.5	212.9	32.3	20.0	20.3
1987	359.0	286.0	9.1	276.9	23.3	7.3	7.8
1988	236.2	233.5	5.0	228.5	43.9	18.2	18.7
1989	274.7	243.6	6.7	236.9	34.4	12.6	13.2

Source: National Agricultural Statistics Service, USDA.

Table 19--Canned fruit cocktail: Supply and utilization, 1970/71 to date 1/

Season 2/	Supply				Utilization				Consumption	
	Pack	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Exports	Total	Per capita	
	--Million pounds--								Pounds	
1970/71	642.9	14.2	179.4	836.5	172.4	664.1	141.5	522.6	2.53	
1971/72	666.6	13.7	172.4	852.7	210.4	642.3	77.3	565.0	2.70	
1972/73	599.9	14.3	210.4	824.6	119.1	705.5	100.4	605.1	2.87	
1973/74	671.4	91.9	119.1	882.4	67.7	814.7	118.4	696.3	3.27	
1974/75	753.4	16.0	67.7	837.1	163.3	673.8	79.5	594.3	2.77	
1975/76	673.6	9.5	163.3	846.4	169.1	677.3	82.8	594.5	2.74	
1976/77	668.4	10.8	169.1	848.3	163.3	685.0	85.1	599.9	2.74	
1977/78	681.2	16.0	163.3	860.5	134.3	726.2	93.7	632.5	2.86	
1978/79	623.6	19.9	134.3	777.8	93.6	684.2	95.4	588.8	2.63	
1979/80	763.2	18.8	93.6	875.6	171.0	704.6	118.3	586.3	2.59	
1980/81	811.8	20.4	171.0	1,003.2	301.4	701.8	114.1	587.7	2.57	
1981/82	626.8	14.8	301.4	943.0	297.9	645.1	97.3	547.8	2.37	
1982/83	500.5	16.8	297.9	815.2	172.1	643.1	85.1	558.0	2.39	
1983/84	430.1	28.6	172.1	630.8	99.5	531.3	50.5	480.8	2.04	
1984/85	503.0	51.5	99.5	654.0	104.8	549.2	46.5	502.7	2.11	
1985/86	565.5	51.4	104.8	721.7	181.8	539.9	37.8	502.1	2.09	
1986/87	486.9	43.5	181.8	712.2	133.7	578.5	41.7	536.8	2.21	
1987/88	530.0	37.2	133.7	700.9	101.3	599.6	54.1	545.5	2.22	

1/ Beginning with the 1988/89 season, data are no longer being reported due to the lack of industry disclosure.

2/ Season beginning June.

Source: Commodity Economics Division, ERS, USDA.

Table 20--Grapes: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized 1/	Fresh	Processed	Fresh	Processed	All
	--1,000 short tons--						--Dollars/short ton--
1970	3,103.3	3,103.3	390.0	2,713.3	181.00	81.80	94.20
1971	3,994.4	3,994.4	392.7	3,601.8	181.00	86.80	96.00
1972	2,578.7	2,578.7	358.6	2,220.1	329.00	139.00	165.00
1973	4,198.4	4,198.3	405.8	3,792.5	305.00	148.00	162.00
1974	4,198.8	4,198.8	434.5	3,764.3	267.00	124.00	139.00
1975	4,366.4	4,365.1	498.2	3,866.9	337.00	116.00	142.00
1976	4,398.3	4,093.0	466.3	3,626.7	369.00	129.00	155.00
1977	4,297.8	4,296.3	481.4	3,814.9	438.00	163.00	194.00
1978	4,566.7	4,317.9	437.3	3,880.6	496.00	203.00	233.00
1979	4,989.0	4,988.7	524.1	4,464.6	417.00	215.00	236.00
1980	5,595.2	5,594.9	569.1	5,025.8	560.00	203.00	240.00
1981	4,458.2	4,457.6	526.5	3,931.1	530.00	266.00	297.00
1982	6,555.1	5,864.9	706.4	5,158.5	455.00	201.00	232.00
1983	5,521.2	5,375.7	671.3	4,704.4	436.00	165.00	199.00
1984	5,208.4	5,183.3	676.9	4,506.4	371.00	163.00	190.00
1985	5,616.2	5,616.1	781.4	4,834.7	292.00	152.00	172.00
1986	5,227.9	5,227.3	779.4	4,447.9	463.00	185.00	226.00
1987	5,266.7	5,253.5	716.2	4,537.2	534.00	215.00	259.00
1988	6,033.7	6,032.1	831.3	5,200.8	517.00	226.00	266.00
1989	5,930.9	5,930.1	787.2	5,142.8	599.00	265.00	309.00

1/ Some figures may not add due to rounding.

Source: National Agricultural Statistics Service, USDA.

Table 21--Grapes: Production, and season-average grower price, California, 1970 to date 1/

Year	Wine type		Table type		Raisin type		All types	
	Production	Price	Production	Price	Production	Price	Production	Price
	1,000 short tons	Dollars/ton						
1970	531.0	117.00	345.0	109.00	1,871.0	71.60	2,747.0	85.00
1971	765.0	139.00	454.0	96.10	2,312.0	68.40	3,531.0	87.20
1972	630.0	222.00	301.0	210.00	1,344.0	123.00	2,275.0	162.00
1973	1,040.0	208.00	475.0	174.00	2,376.0	133.00	3,891.0	158.00
1974	1,238.0	133.00	586.0	131.00	1,970.0	128.00	3,794.0	130.00
1975	1,313.0	110.00	434.0	218.00	2,201.0	137.00	3,948.0	137.00
1976	1,323.0	136.00	405.0	217.00	2,250.0	150.00	3,978.0	152.00
1977	1,563.0	175.00	488.0	269.00	1,935.0	183.00	3,986.0	190.00
1978	1,706.0	210.00	393.0	342.00	1,918.0	229.00	4,017.0	232.00
1979	1,821.0	214.00	417.0	310.00	2,320.0	239.00	4,558.0	236.00
1980	2,004.0	210.00	428.0	410.00	2,692.0	237.00	5,124.0	241.00
1981	1,794.0	266.00	420.0	440.00	1,779.0	306.00	3,993.0	302.00
1982	2,402.0	218.00	612.0	344.00	3,062.0	218.00	6,076.0	232.00
1983	1,880.0	209.00	504.0	351.00	2,535.0	158.00	4,919.0	199.00
1984	1,900.0	201.00	475.0	304.00	2,295.0	156.00	4,670.0	189.00
1985	2,140.0	184.00	580.0	230.00	2,487.0	141.00	5,207.0	168.00
1986	2,105.0	207.00	629.0	307.00	2,045.0	213.00	4,770.0	222.00
1987	1,950.0	248.00	540.0	435.00	2,170.0	223.00	4,660.0	258.00
1988	2,180.0	297.00	770.0	363.00	2,570.0	205.00	5,520.0	263.00
1989	2,190.0	340.00	630.0	449.00	2,570.0	248.00	5,390.0	309.00

1/ Fresh-weight equivalent.

Source: National Agricultural Statistics Service, USDA.

Table 22--Fresh grapes: Supply and utilization, 1970/71 to date

Season 1/	Supply			Utilization			Consumption	
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total	Per capita	
	--Million pounds--							Pounds
1970/71	703.9	44.5	748.4	228.6	4.2	515.6	2.50	
1971/72	725.3	25.4	750.7	281.3	4.0	465.4	2.23	
1972/73	659.7	19.7	679.4	206.0	5.6	467.8	2.22	
1973/74	773.3	30.0	803.3	228.2	5.4	569.7	2.68	
1974/75	807.1	42.4	849.5	232.1	5.2	612.2	2.85	
1975/76	906.3	46.2	952.5	252.0	6.2	694.3	3.20	
1976/77	861.9	60.1	922.0	214.8	2.9	704.3	3.23	
1977/78	881.9	65.4	947.3	241.2	3.1	703.0	3.17	
1978/79	808.3	99.9	908.2	210.5	4.9	692.8	3.09	
1979/80	976.7	88.6	1,065.3	256.7	6.6	802.0	3.54	
1980/81	1,024.6	123.5	1,148.1	269.6	6.4	872.1	3.81	
1981/82	979.5	201.5	1,181.0	247.7	4.8	928.5	4.01	
1982/83	1,412.8	279.5	1,692.3	240.6	4.7	1,447.0	6.19	
1983/84	1,342.6	320.8	1,663.4	246.1	2.0	1,415.3	6.00	
1984/85	1,353.8	427.2	1,781.0	234.7	2.9	1,543.4	6.48	
1985/86	1,562.8	463.6	2,026.4	230.9	2.9	1,792.6	7.45	
1986/87	1,558.8	540.6	2,099.4	329.6	3.4	1,766.4	7.27	
1987/88	1,432.4	682.4	2,114.8	305.0	2.9	1,806.9	7.41	
1988/89	1,662.6	652.3	2,314.9	325.6	N.A.	1,989.3	8.03	
1989/90 2/	1,574.5	542.1	2,116.6	402.8	N.A.	1,713.8	6.85	

N.A. = Not available.

1/ Season beginning July.

2/ Preliminary, imports and exports projected based on first 9 months of season.

Source: Commodity Economics Division, ERS, USDA.

Table 23--Grapes: Processed utilization and season-average grower price, United States, 1970 to date

Year	Canned		Juice		Wine		Dried		Other 1/	
	Quantity	Price								
	1,000 short tons	Dollars/ton								
1970	53.7	89.00	243.6	146.00	1,583.2	79.00	821.8	66.60	11.0	146.00
1971	58.4	94.00	332.8	135.00	2,309.7	85.20	895.9	72.10	4.9	135.00
1972	50.5	116.00	206.1	161.00	1,520.2	138.00	437.4	135.00	5.9	161.00
1973	59.0	135.00	186.7	198.00	2,567.3	133.00	969.3	175.00	10.2	199.00
1974	61.2	152.00	252.6	177.00	2,415.7	110.00	1,023.8	141.00	11.0	178.00
1975	52.7	138.00	266.9	155.00	2,275.5	92.10	1,252.4	151.00	19.4	127.00
1976	48.0	152.00	262.8	149.00	2,321.7	115.00	982.5	157.00	11.6	123.00
1977	54.0	183.00	207.6	210.00	2,411.5	149.00	1,134.0	184.00	7.8	193.00
1978	55.0	261.00	389.8	196.00	2,671.5	192.00	739.0	243.00	5.4	208.00
1979	60.0	256.00	306.4	203.00	2,713.1	196.00	1,380.9	253.00	4.3	215.00
1980	63.0	262.00	344.7	181.00	2,996.3	190.00	1,620.0	230.00	1.8	210.00
1981	42.0	260.00	334.1	188.00	2,521.6	250.00	1,032.0	329.00	1.5	196.00
1982	35.0	255.00	348.7	166.00	3,227.3	195.00	1,547.5	220.00	0.7	149.00
1983	35.0	211.00	2/ 461.3	140.00	2,423.1	193.00	1,785.0	132.00	N.A.	N.A.
1984	30.0	213.00	2/ 389.3	117.00	2,694.7	174.00	1,392.5	153.00	N.A.	N.A.
1985	45.0	213.00	2/ 303.0	145.00	2,921.0	162.00	1,565.7	134.00	N.A.	N.A.
1986	40.0	210.00	2/ 310.4	187.00	2,909.0	188.00	1,188.5	177.00	N.A.	N.A.
1987	40.0	220.00	2/ 411.2	205.00	2,647.0	223.00	1,439.0	203.00	N.A.	N.A.
1988	40.0	225.00	2/ 351.7	216.00	2,982.1	255.00	1,827.0	180.00	N.A.	N.A.
1989	40.0	235.00	2/ 388.8	256.00	2,850.1	300.00	1,864.0	213.00	N.A.	N.A.

N.A.= Not available.

1/ Includes jam, jelly, etc.

2/ Includes small quantities of other processed (jam, jelly, etc.)

Source: National Agricultural Statistics Service, USDA.

Table 24--Dried raisins: Total and export shipments, imports, and per capita consumption, 1970/71 to date

Season 1/	Shipments			Consumption		
	Total	Export	Imports	Total	Per capita	Pounds
				--Million pounds, processed weight--		
1970/71	392.72	115.95	1.80	278.57		1.35
1971/72	425.45	133.81	6.80	298.44		1.43
1972/73	239.05	33.69	14.50	219.86		1.04
1973/74	370.64	82.06	4.40	292.98		1.38
1974/75	403.25	125.46	0.50	278.29		1.29
1975/76	416.55	107.09	0.60	310.06		1.43
1976/77	343.20	81.55	27.00	288.65		1.32
1977/78	387.66	106.52	3.30	284.45		1.28
1978/79	265.42	47.42	32.40	250.40		1.12
1979/80	438.41	140.14	4.50	302.76		1.34
1980/81	481.12	145.46	0.00	335.66		1.47
1981/82	481.35	129.57	1.10	358.29		1.55
1982/83	465.90	116.11	10.80	360.59		1.54
1983/84	482.85	131.23	6.50	358.13		1.52
1984/85	587.29	159.58	1.50	429.21		1.80
1985/86	619.16	184.19	7.47	442.43		1.84
1986/87	615.30	191.18	12.31	436.42		1.80
1987/88	666.25	221.49	17.79	462.55		1.89
1988/89	711.54	215.91	21.76	517.39		2.09

1/ Season beginning August.

Sources: Raisin Administrative Committee, and Bureau of Census, Department of Commerce.

Table 25--Kiwifruit: Acreage, production, season-average grower price, and value, California, 1980 to date 1/

Year	Bearing acreage	Production	Prices	Value
	Acres			
1980	1,600	5,300	2,400.00	10,080
1981	3,000	6,900	2,000.00	11,000
1982	3,400	15,500	920.00	10,580
1983	3,100	13,500	1,240.00	14,260
1984	3,800	18,000	1,070.00	17,762
1985	4,800	22,000	813.00	16,667
1986	5,600	24,300	1,030.00	24,102
1987	6,800	29,000	710.00	18,886
1988	7,100	32,700	760.00	22,420
1989	7,100	40,000	400.00	14,800

1/ First estimates were in 1980.

Source: National Agricultural Statistics Service, USDA.

Table 26--Mangos: Acreage, bearing trees, production, season-average grower price, and value, Florida, 1970 to date

Year	Acreage			Bearing trees	Production	Price 2/	Value
	Total	Non-bearing 1/	Bearing				
--Acres--							
1970	1,450	50	1,400	103	148,000	3.10	459
1971	1,450	50	1,400	104	180,000	5.50	990
1972	1,450	50	1,400	104	175,000	8.00	1,400
1973	1,750	50	1,400	105	250,000	5.75	1,438
1974	1,400	50	1,350	101	225,000	8.50	1,912
1975	1,800	150	1,650	124	325,000	8.75	2,844
1976	1,900	200	1,700	133	400,000	7.50	3,000
1977	1,800	150	1,650	130	175,000	13.75	2,406
1978	1,750	100	1,650	132	225,000	9.50	2,138
1979	1,750	300	1,450	116	260,000	11.30	2,938
1980	1,800	350	1,450	118	250,000	12.00	3,000
1981	1,900	450	1,450	123	240,000	13.90	3,336
1982	2,200	700	1,500	130	225,000	16.00	3,600
1983	2,400	900	1,500	137	350,000	12.00	4,200
1984	2,600	900	1,700	145	450,000	12.50	5,625
1985	2,700	900	1,800	154	425,000	12.50	5,312
1986	2,700	600	2,100	188	400,000	11.00	4,400
1987	2,800	600	2,200	195	550,000	12.00	6,600
1988	2,900	500	2,400	215	350,000	15.00	5,250
1989	3,000	500	2,500	228	400,000	13.00	5,200

1/ Less than five years old.

2/ Price delivered to packing house door.

3/ 1 bushel = 55 pounds.

Source: Florida Agricultural Statistics Service.

Table 27--Nectarines: Production, utilization, and season-average grower price, California, 1979 to date

Year	Production 1/	Utilization		Grower price		
		Fresh	Processed	Fresh	Processed	All
		--Dollars/ton--				
1970	66,500	65,300	1,200	153.00	91.90	152.00
1971	70,000	69,100	900	156.00	88.20	155.00
1972	87,000	86,400	600	177.00	106.00	177.00
1973	86,500	85,600	900	257.00	98.10	255.00
1974	117,000	115,600	1,400	230.00	91.50	228.00
1975	111,000	110,000	1,000	276.00	136.00	275.00
1976	128,000	127,500	500	245.00	162.00	245.00
1977	155,000	155,000	0	205.00	0	205.00
1978	148,000	144,700	3,300	313.00	44.10	307.00
1979	172,000	171,000	1,000	198.00	69.00	197.00
1980	191,000	190,500	500	231.00	78.00	231.00
1981	182,000	181,500	500	229.00	91.00	229.00
1982	178,000	175,900	2,100	251.00	49.00	249.00
1983	185,000	183,800	1,200	301.00	42.30	299.00
1984	183,000	182,800	200	316.00	70.00	316.00
1985	210,000	208,000	2,000	330.00	41.50	327.00
1986	172,000	170,000	2,000	445.00	35.00	440.00
1987	191,000	190,500	500	344.00	26.00	343.00
1988	200,000	199,000	1,000	2/	2/	394.00
1989	200,000	198,000	2,000	2/	2/	396.00

1/ Production all utilized.

2/ Not published to avoid disclosure of individual operations, but included in all.

Source: National Agricultural Statistics Service, USDA.

Table 28--Olives: Bearing acreage, production, utilization, and season-average grower price, and value, California, 1970 to date

Year	Bearing acreage	Production	Utilization		Processed utilization					Grower price	Value		
			Fresh	Processed	Canned			Crushed for oil	Other 2/				
					Canning size fruit	Limited size fruit 1/	-- Short tons --						
Acres													
1970	27,600	52,000	600	51,400	39,200	2,347	4,100	5,753	247.00	12,844			
1971	27,700	55,000	700	54,300	39,600	9,362	4,900	438	148.00	8,140			
1972	28,300	24,200	200	24,000	20,000	1,475	700	1,825	415.00	10,043			
1973	28,600	70,000	700	69,300	54,300	5,927	4,300	4,773	392.00	27,440			
1974	28,500	58,500	900	57,600	46,700	3,337	3,100	4,463	434.00	25,389			
1975	29,100	67,000	900	66,100	53,300	4,496	3,800	4,504	336.00	22,512			
1976	30,800	80,000	600	79,400	65,500	6,214	3,700	3,986	330.00	26,400			
1977	33,100	43,000	600	42,400	32,300	5,451	2,300	2,349	403.00	17,329			
1978	37,200	126,000	800	125,200	99,100	15,991	7,300	2,809	303.00	38,178			
1979	36,900	62,000	500	61,500	52,300	3,008	1,600	4,592	408.00	25,296			
1980	36,300	109,000	300	108,700	76,800	15,935	3,500	12,465	368.00	40,137			
1981	34,300	44,900	300	44,600	37,900	2,430	2,000	2,270	695.00	31,222			
1982	35,000	146,500	500	146,000	98,000	25,943	4,600	17,57	501.00	73,459			
1983	35,100	61,000	400	60,600	48,000	3,606	4,100	4,894	519.00	31,641			
1984	33,800	90,600	400	90,200	76,700	5,702	2,900	4,898	550.00	49,810			
1985	32,900	96,000	500	95,500	76,100	8,416	5,800	5,184	559.00	53,634			
1986	32,300	111,500	500	111,000	85,000	11,905	6,000	8,095	587.00	65,407			
1987	31,600	67,500	500	67,000	55,000	5,484	3,000	3,516	608.00	41,053			
1988	31,500	87,500	500	87,000	70,000	8,376	3,000	5,624	517.00	45,229			
1989	29,800	123,000	500	122,500	94,000	13,217	5,500	9,783	510.00	62,725			

1/ Mostly canned except for 1971 and 1980 when use of limited size fruit in canned ripe olives was not permitted. Reported by California Olive Committee.

2/ "Limited and undersized" reported by NASS minus "limited size" reported by California Olive Committee. Includes undersized and culls.

Sources: National Agricultural Statistics Service, USDA and California Olive Committee.

Table 29--Papayas: Acreage, yield per acre, production, utilization, and season-average grower price, Hawaii, 1970 to date

Year	Acreage harvested	Yield per acre 1/	Utilized production	Utilization		Grower price		
				Fresh	Processed	Fresh	Processed	All
	Acres	Pounds		-- 1,000 pounds --		-- Cents/pound --		
1970	1,040	23.3	24,960	23,938	1,022	10.0	3.9	9.8
1971	970	21.4	20,725	19,172	1,553	14.0	3.3	13.2
1972	985	26.1	25,735	21,959	3,776	15.1	2.9	13.3
1973	1,430	23.0	32,824	28,848	3,976	14.0	3.5	12.7
1974	1,690	22.0	37,224	34,529	2,695	13.9	3.1	13.1
1975	1,840	21.7	39,896	34,952	4,944	15.8	3.0	14.2
1976	1,930	25.9	50,037	43,588	6,449	13.5	3.8	12.3
1977	2,155	29.5	63,548	53,987	9,561	13.2	4.7	11.9
1978	2,190	40.6	64,000	54,624	9,376	14.4	4.6	13.0
1979	2,210	29.7	41,015	36,446	4,569	25.6	4.0	23.2
1980	1,950	37.9	48,916	45,360	3,556	21.7	3.4	20.4
1981	2,110	44.5	66,390	58,170	8,220	20.9	3.1	18.7
1982	2,170	38.7	52,750	44,770	7,980	25.1	3.1	21.8
1983	2,120	36.1	61,400	46,300	15,100	23.6	4.4	18.9
1984	2,590	46.3	80,500	67,000	13,500	13.1	3.1	11.4
1985	2,650	35.8	60,400	49,250	11,150	16.9	2.3	14.2
1986	2,355	35.2	61,000	50,100	10,900	21.7	2.3	18.2
1987	2,350	44.7	67,000	56,000	11,000	19.3	2.2	16.5
1988	2,300	2/	69,000	57,000	12,000	21.0	3.2	17.9
1989	2,500	2/	74,000	64,000	10,000	22.0	3.0	19.4

1/ Yield is based on total production which includes unharvested production and fruit harvested but not sold due to marketing conditions.

2/ Total production and yield were not estimated for the 1988 and 1989 crops.

Source: National Agricultural Statistics Service, USDA.

Table 30--Peaches: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processing	All
	--Million pounds--			Cents/lb.	Dollars/ton	Cents/lb.	
1970	2,995.8	2,786.3	1,181.5	1,604.8	8.03	92.30	6.04
1971	2,882.6	2,742.3	1,201.0	1,541.3	9.65	89.90	6.07
1972	2,371.5	2,249.5	844.9	1,404.6	11.00	88.10	6.90
1973	2,590.9	2,412.7	935.2	1,477.5	12.30	113.00	8.30
1974	2,917.2	2,756.3	952.0	1,804.3	13.00	151.00	9.50
1975	2,835.6	2,645.6	1,099.6	1,546.0	14.70	144.00	10.40
1976	3,018.3	2,641.7	1,151.2	1,490.5	13.30	134.00	9.60
1977	2,955.4	2,825.7	1,144.0	1,681.7	14.10	137.00	9.80
1978	2,652.7	2,515.7	1,135.8	1,397.9	17.00	155.00	12.00
1979	2,938.7	2,834.2	1,250.5	1,583.7	15.30	173.00	11.60
1980	3,068.6	2,954.1	1,324.1	1,630.0	16.60	181.00	12.40
1981	2,770.6	2,639.8	1,331.0	1,308.8	16.60	200.00	13.30
1982	2,285.6	2,101.9	976.9	1,125.0	20.70	162.00	14.40
1983	1,855.3	1,753.8	967.1	786.7	19.60	161.00	14.40
1984	2,660.3	2,468.9	1,287.8	1,181.1	16.10	175.00	12.60
1985	2,148.1	2,047.2	925.6	1,121.6	20.60	184.00	14.40
1986	2,306.6	2,218.1	1,091.0	1,127.1	19.90	166.00	14.00
1987	2,381.5	2,238.9	1,113.5	1,125.4	18.50	184.00	13.80
1988	2,614.0	2,448.5	1,223.3	1,225.2	21.30	198.00	15.60
1989	2,333.3	2,210.4	1,037.1	1,173.3	23.30	203.00	16.30

Source: National Agricultural Statistics Service, USDA.

Table 31--Peaches, fresh: Monthly prices received by growers,
United States, 1970 to date

Year	May	June	July	August	September	October
--Dollars/pound--						
1970	---	0.101	0.781	0.759	0.897	---
1971	---	.124	.884	.741	.758	---
1972	---	.130	.948	.106	.139	---
1973	---	.141	.110	.114	.133	---
1974	---	.167	.112	.132	.123	---
1975	0.161	.207	.156	.131	.125	---
1976	.185	.127	.126	.125	.140	---
1977	.190	.138	.146	.136	.123	---
1978	.169	.203	.155	.154	.186	---
1979	.134	.162	.133	.157	.160	---
1980	.194	.192	.142	.152	.168	---
1981	.199	.137	.155	.161	.229	---
1982	.270	.176	.197	.211	.209	0.280
1983	.263	.227	.189	.170	.177	---
1984	.165	.173	.120	.150	.204	---
1985	.215	.195	.195	.201	.222	---
1986	.244	.172	.192	.166	.217	---
1987	.243	.217	.142	.147	.194	---
1988	.354	.193	.196	.181	.219	.210
1989	.266	.220	.196	.223	.266	---
1990	.281	.256	.290			

--- = Insufficient marketing to establish price.

Source: National Agricultural Statistics Service, USDA.

Table 32--Fresh peaches: Supply and utilization, 1970 to date

Year	Supply		Utilization			Consumption	
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total	Per capita
	--Million pounds--						
1970	1,181.5	42.2	1,223.7	30.1	0.5	1,193.1	5.82
1971	1,201.0	3.7	1,204.7	29.5	.4	1,174.8	5.66
1972	844.9	2.0	846.9	31.2	.4	815.3	3.88
1973	935.2	.4	935.6	31.4	1.0	903.2	4.26
1974	952.0	2.1	954.1	25.9	.5	927.7	4.34
1975	1,099.6	3.0	1,102.6	25.9	.4	1,076.3	4.98
1976	1,151.2	9.1	1,160.3	39.3	.6	1,120.4	5.14
1977	1,144.0	5.0	1,149.0	26.8	.2	1,122.0	5.09
1978	1,135.8	9.7	1,145.5	30.3	1.1	1,114.1	5.01
1979	1,250.5	7.0	1,257.5	32.1	1.1	1,224.3	5.44
1980	1,324.1	9.0	1,333.1	40.2	1.1	1,291.8	5.67
1981	1,331.0	7.0	1,338.0	66.4	1.9	1,269.7	5.52
1982	976.9	12.7	989.6	68.4	1.8	919.4	3.95
1983	967.1	28.6	995.7	40.2	1.2	954.3	4.06
1984	1,287.8	37.1	1,324.9	39.9	.8	1,284.2	5.42
1985	925.6	63.9	989.5	32.0	1.2	956.3	4.00
1986	1,091.0	72.6	1,163.6	43.0	1.0	1,119.6	4.63
1987	1,113.5	81.2	1,194.7	44.7	.7	1,149.3	4.71
1988	1,223.3	95.1	1,318.4	65.4	N.A.	1,253.0	5.09
1989	1,037.1	97.3	1,134.4	88.7	N.A.	1,045.7	4.20

N.A. = Not available.

Source: Commodity Economics Division, ERS, USDA.

Table 33--Peaches: Processed utilization, and season-average grower price, United States, 1970 to date

Year	Canned		Frozen		Dried		Other 1/	
	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
	Million pounds	Dollars/ton						
1970	1,476.6	94.30	73.7	66.30	36.4	87.50	18.1	38.10
1971	1,397.1	91.70	86.3	76.60	29.8	87.50	28.1	39.30
1972	1,268.8	89.90	65.3	90.20	24.0	110.00	46.5	34.00
1973	1,325.4	113.00	104.9	130.00	24.0	141.00	23.2	54.30
1974	1,650.6	153.00	78.1	154.00	29.0	115.00	46.6	63.60
1975	1,432.0	148.00	52.7	110.00	38.0	185.00	23.3	46.80
1976	1,326.3	135.00	109.8	113.00	30.0	232.00	24.4	42.20
1977	1,504.7	140.00	109.8	116.00	42.0	199.00	25.2	45.10
1978	1,230.8	161.00	69.8	122.00	35.0	185.00	44.3	40.90
1979	1,427.6	177.00	93.5	155.00	33.0	136.00	29.6	61.70
1980	1,498.3	185.00	77.1	131.00	34.0	115.00	20.6	82.10
1981	1,173.7	205.00	78.3	152.00	34.8	112.00	22.0	121.00
1982	983.9	166.00	70.5	153.00	45.0	120.00	25.6	97.80
1983	675.4	162.00	64.3	179.00	36.0	118.00	11.0	93.30
1984	1,028.6	181.00	89.0	151.00	28.0	100.00	35.5	133.00
1985	982.6	191.00	93.3	153.00	32.5	104.00	13.2	119.00
1986	926.9	171.00	136.3	165.00	32.5	96.00	31.4	103.00
1987	877.1	193.00	145.1	169.00	35.0	101.00	68.2	132.00
1988	986.0	210.00	131.9	160.00	41.2	117.00	66.1	130.00
1989	924.4	218.00	143.4	159.00	28.6	110.00	76.9	136.00

1/ Pickles, wine, and brandy.

Source: National Agricultural Statistics Service, USDA.

Table 34--Canned peaches: Supply and utilization, product weight, 1970/71 to date 1/

Season 2/	Supply					Utilization			
	Production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Exports	Consumption	
								Total	Per capita
--Million pounds--									
1970/71	1,285.0	0.9	399.0	1,684.9	346.1	1,338.8	166.9	1,171.9	5.68
1971/72	1,120.6	.7	346.1	1,467.4	210.2	1,257.2	119.0	1,138.2	5.45
1972/73	1,044.7	2.4	210.2	1,257.3	77.8	1,179.5	119.1	1,060.4	5.03
1973/74	1,066.4	.6	77.8	1,144.8	69.3	1,075.5	126.9	948.6	4.45
1974/75	1,410.7	.5	69.3	1,480.5	233.8	1,246.7	96.6	1,150.1	5.35
1975/76	1,260.8	.2	233.8	1,494.8	332.2	1,162.6	93.4	1,069.2	4.93
1976/77	1,079.2	.0	332.2	1,411.4	262.6	1,148.8	114.4	1,034.4	4.72
1977/78	1,270.9	.1	262.6	1,533.6	294.5	1,239.1	160.1	1,079.0	4.87
1978/79	931.5	.1	294.5	1,226.1	155.8	1,070.3	143.7	926.6	4.14
1979/80	1,124.0	.1	155.8	1,279.9	212.1	1,067.8	135.3	932.5	4.12
1980/81	1,164.3	.6	212.1	1,377.0	320.5	1,056.5	129.6	926.9	4.05
1981/82	946.7	.4	320.5	1,267.6	360.9	906.7	87.9	818.8	3.54
1982/83	810.9	.8	360.9	1,172.6	242.4	930.2	79.3	850.9	3.64
1983/84	471.2	52.5	242.4	766.1	49.6	716.5	35.0	681.5	2.89
1984/85	848.8	55.8	49.6	954.2	182.3	771.9	25.2	746.7	3.13
1985/86	800.4	63.5	182.3	1,046.2	260.8	785.4	31.1	754.3	3.14
1986/87	674.5	38.2	260.8	973.5	156.3	817.2	35.2	782.0	3.22
1987/88	691.6	56.0	156.3	903.9	66.7	837.2	41.1	796.1	3.25

1/ Beginning with the 1988/89 season data are no longer being reported due to the lack of industry disclosure.
2/ Season beginning June.

Source: Commodity Economics Division, ERS, USDA.

Table 35--All pears: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processed 1/	All
	--1,000 short tons--						
1970	548.8	538.8	197.9	340.9	146.00	125.00	133.00
1971	749.1	707.2	284.8	422.4	102.00	84.00	94.50
1972	612.1	608.7	251.0	357.6	175.00	113.00	139.00
1973	730.4	725.8	307.2	418.6	160.00	121.00	138.00
1974	741.7	740.7	296.0	444.7	182.00	161.00	169.00
1975	748.0	741.8	326.8	415.0	161.00	128.00	143.00
1976	839.1	819.1	339.2	479.9	144.00	111.00	124.00
1977	781.6	779.5	298.2	481.3	193.00	117.00	146.00
1978	723.3	723.3	297.0	426.2	267.00	187.00	219.00
1979	854.7	854.2	300.1	554.1	276.00	166.00	204.00
1980	897.4	896.4	345.1	551.3	244.00	167.00	196.00
1981	897.0	984.0	378.0	516.0	249.00	142.00	187.00
1982	802.0	800.7	366.1	434.6	255.00	123.00	183.00
1983	773.6	773.4	382.8	390.6	215.00	126.00	170.00
1984	708.3	696.0	322.8	373.2	300.00	168.00	229.00
1985	744.6	744.4	347.1	397.3	350.00	201.00	269.00
1986	767.2	761.2	376.2	384.9	369.00	168.00	267.00
1987	938.5	936.1	454.9	481.3	227.00	172.00	198.00
1988	860.9	860.4	427.1	433.3	358.00	191.00	274.00
1989	917.0	916.7	454.5	462.2	332.00	220.00	275.00

1/ Excludes dried.

Source: National Agricultural Statistics Service, USDA.

Table 36--Bartlett pears: Production, utilization, and season-average grower price, United States, 1970 to date

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processed excluding dried	All
	--1,000 short tons--						
1970	389.0	383.8	75.6	308.0	154.00	129.00	135.00
1971	534.0	496.0	116.1	379.9	103.00	87.20	91.30
1972	438.0	436.0	113.1	322.9	155.00	118.00	128.00
1973	517.5	513.5	135.0	378.5	136.00	127.00	130.00
1974	495.4	495.4	102.3	393.1	199.00	173.00	178.00
1975	509.5	509.5	134.7	374.8	121.00	136.00	133.00
1976	580.0	560.0	122.6	437.4	126.00	116.00	119.00
1977	544.0	543.0	109.8	433.2	149.00	120.00	127.00
1978	468.5	468.5	95.9	372.6	275.00	194.00	212.00
1979	593.0	593.0	103.4	489.6	249.00	177.00	189.00
1980	610.0	610.0	117.9	492.1	200.00	180.00	183.00
1981	595.5	595.5	136.2	459.3	190.00	152.00	161.00
1982	525.3	525.3	150.1	375.2	180.00	134.00	147.00
1983	463.8	463.8	123.1	340.7	211.00	134.00	154.00
1984	447.0	435.0	103.5	331.5	220.00	181.00	190.00
1985	468.0	468.0	119.3	348.7	299.00	217.00	236.00
1986	466.0	461.0	128.5	332.5	344.00	182.00	226.00
1987	574.0	574.0	153.5	420.5	174.00	185.00	181.00
1988	506.0	506.0	121.2	384.8	356.00	207.00	242.00
1989	522.0	522.0	125.5	396.5	323.00	245.00	263.00

Source: National Agricultural Statistics Service, USDA.

Table 37--Pears, fresh: Monthly prices received by growers, United States, 1970 to date

Year	January	February	March	April	May	June	July	August	September	October	November	December
	--Dollars/short ton--											
1970	120.00	95.90	93.60	99.90	115.00	115.00	133.00	136.00	132.00	145.00	154.00	167.00
1971	131.00	128.00	128.00	132.00	145.00	145.00	114.00	107.00	91.90	114.00	120.00	119.00
1972	95.50	110.00	121.00	178.00	178.00	178.00	128.00	145.00	161.00	183.00	165.00	187.00
1973	200.00	197.00	165.00	322.00	322.00	322.00	---	143.00	129.00	140.00	168.00	176.00
1974	175.00	174.00	194.00	217.00	269.00	---	226.00	196.00	197.00	185.00	186.00	183.00
1975	153.00	136.00	145.00	178.00	280.00	---	190.00	158.00	138.00	140.00	164.00	174.00
1976	183.00	190.00	226.00	217.00	229.00	207.00	110.00	108.00	146.00	182.00	172.00	171.00
1977	140.00	121.00	102.00	112.00	117.00	133.00	140.00	129.00	173.00	192.00	183.00	201.00
1978	209.00	144.00	262.00	449.00	673.00	---	310.00	284.00	258.00	245.00	241.00	231.00
1979	206.00	222.00	290.00	363.00	501.00	505.00	282.00	253.00	234.00	240.00	234.00	237.00
1980	265.00	354.00	435.00	443.00	449.00	450.00	225.00	214.00	209.00	219.00	250.00	241.00
1981	230.00	257.00	297.00	330.00	359.00	377.00	189.00	195.00	187.00	221.00	271.00	259.00
1982	250.00	302.00	320.00	293.00	392.00	636.00	201.00	171.00	185.00	215.00	304.00	328.00
1983	288.00	308.00	316.00	310.00	320.00	324.00	---	226.00	233.00	260.00	249.00	250.00
1984	195.00	197.00	152.00	136.00	95.00	115.00	---	173.00	233.00	282.00	307.00	335.00
1985	333.00	350.00	378.00	440.00	481.00	550.00	330.00	301.00	259.00	354.00	325.00	336.00
1986	354.00	379.00	420.00	456.00	670.00	751.00	340.00	360.00	313.00	403.00	363.00	352.00
1987	373.00	366.00	363.00	325.00	337.00	368.00	270.00	206.00	234.00	213.00	190.00	145.00
1988	144.00	212.00	227.00	249.00	437.00	527.00	365.00	327.00	381.00	396.00	348.00	310.00
1989	336.00	362.00	368.00	350.00	397.00	491.00	480.00	366.00	334.00	348.00	299.00	285.00
1990	303.00	345.00	357.00	370.00	427.00	463.00	430.00					

--- = Insufficient marketing to establish price.

Source: National Agricultural Statistics Service, USDA.

Table 38--Fresh pears: Supply and utilization, 1970/71 to date

Season 1/	Supply			Utilization				Consumption Per capita Pounds
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total		
	--Million pounds--							
1970/71	395.8	37.5	433.3	41.4	0.0	391.9	1.90	
1971/72	569.6	16.4	586.0	56.3	0.0	529.7	2.54	
1972/73	502.1	33.6	535.7	53.6	0.0	482.1	2.28	
1973/74	614.5	18.5	633.0	86.3	0.0	546.7	2.57	
1974/75	591.9	18.5	610.4	76.3	0.0	534.1	2.48	
1975/76	653.6	15.6	669.2	74.8	0.0	594.4	2.74	
1976/77	678.5	10.1	688.6	69.7	0.0	618.9	2.84	
1977/78	596.4	12.9	609.3	80.0	2.4	526.9	2.38	
1978/79	594.1	14.8	608.9	82.4	3.1	523.4	2.34	
1979/80	600.2	18.0	618.2	90.6	3.4	524.2	2.31	
1980/81	690.1	19.3	709.4	101.7	3.0	604.7	2.64	
1981/82	755.9	21.7	777.6	115.1	2.0	660.5	2.85	
1982/83	732.3	21.7	754.0	79.1	1.7	673.2	2.88	
1983/84	765.6	27.4	793.0	75.7	1.8	715.5	3.03	
1984/85	645.5	40.2	685.7	59.9	1.8	624.0	2.62	
1985/86	694.2	55.4	749.6	65.4	1.8	682.4	2.84	
1986/87	752.4	69.9	822.3	80.2	2.1	740.0	3.05	
1987/88	909.7	72.7	982.4	96.6	2.4	883.4	3.62	
1988/89	854.3	88.4	942.7	134.0	N.A.	801.5	3.37	
1989/90 2/	908.9	99.9	1,008.8	166.7	N.A.	842.1	3.38	

N.A. = Not available.

1/ Season beginning July.

2/ Preliminary, imports and exports projected based on first 9 months of season.

Source: Commodity Economics Division, ERS, USDA.

Table 39--Canned pears: Supply and utilization, product weight, 1970/71 to date 1/

Season 2/	Supply					Utilization			Consumption	
	Production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Exports	Total	Per capita	
	--Million pounds--									Pounds
1970/71	374.5	18.2	130.1	522.8	143.0	379.8	12.4	367.4	1.78	
1971/72	448.4	14.9	143.0	606.3	160.4	445.9	9.9	436.0	2.09	
1972/73	394.2	7.6	160.4	562.2	105.7	456.5	11.0	445.5	2.11	
1973/74	428.1	0.2	105.7	534.0	77.1	456.9	11.8	445.1	2.09	
1974/75	465.1	0.0	77.1	542.2	161.6	380.6	6.0	374.6	1.74	
1975/76	425.3	0.0	161.6	586.9	146.2	440.7	7.8	432.9	1.99	
1976/77	501.0	0.0	146.2	647.2	152.4	494.8	7.2	487.6	2.22	
1977/78	418.2	0.1	152.4	570.7	116.8	453.9	9.7	444.2	2.01	
1978/79	392.6	0.0	116.8	509.4	113.8	395.6	5.8	389.8	1.74	
1979/80	459.7	0.0	113.8	573.5	163.0	410.5	7.3	403.2	1.78	
1980/81	475.4	0.0	163.0	638.4	211.0	427.4	5.7	421.7	1.84	
1981/82	422.0	0.0	211.0	633.0	226.3	406.7	6.3	400.4	1.73	
1982/83	338.9	0.1	226.3	565.3	144.7	420.6	5.2	415.4	1.78	
1983/84	313.8	2.1	144.7	460.6	68.0	392.6	2.8	389.8	1.65	
1984/85	333.1	13.6	68.0	414.7	71.6	343.1	2.5	340.6	1.43	
1985/86	359.9	36.0	71.6	447.5	131.3	316.2	1.7	314.5	1.31	
1986/87	313.6	5.4	131.3	450.3	72.5	377.8	3.0	374.8	1.54	
1987/88	396.9	1.0	72.5	470.4	86.2	384.2	2.2	382.0	1.56	

1/ Beginning with the 1988/89 season data are no longer being reported due to the lack of industry disclosure.

2/ Season beginning June.

Source: Commodity Economics Division, ERS USDA.

Table 40--Pineapples: Number of farms, acreage, production, disposition, price, and value, Hawaii, 1970 to date

Year	Farms	Acreage used for crop 1/	Utilized production 2/	Disposition			Farm price			Value of production 2/
				Processed 2/	Fresh market 3/	Processed 4/	Fresh market 5/			
	Number	1,000 acres		--1,000 short tons--			--Dollars/ton--			1,000 dollars
1970	47	61.0	954	918	36	39	100	39,500		
1971	36	61.0	942	911	31	40	120	40,300		
1972	36	58.0	947	906	41	43	120	43,900		
1973	33	57.5	810	748	62	43	120	39,600		
1974	20	55.0	700	641	59	49	150	40,259		
1975	20	50.0	720	657	63	48	160	41,616		
1976	17	48.0	680	611	69	63	210	52,983		
1977	17	45.0	690	607	83	67	260	62,249		
1978	18	43.0	675	580	95	58	310	63,090		
1979	18	44.0	681	587	94	67	320	69,409		
1980	18	43.0	657	556	101	76	340	76,596		
1981	18	41.0	636	519	117	85	390	89,745		
1982	18	36.0	670	542	128	82	390	94,364		
1983	18	35.0	722	602	120	88	395	100,376		
1984	18	35.0	600	481	119	88	400	89,928		
1985	18	34.5	565	441	124	90	410	90,530		
1986	19	36.0	646	514	132	90	405	99,720		
1987	19	36.1	692	558	134	91	362	99,286		
1988	19	34.6	659	526	133	99	416	107,402		
1989	NA	32.7	580	444	136	90	408	95,448		

NA = Not available.

1/ Acreage is total acres in crop, not harvested acreage. 2/ Fresh weight basis. 3/ Beginning 1983 excludes sales of fresh pineapple without tops included in processing utilization. 4/ Estimate to reflect value of fresh fruit delivered to processing plant door. 5/ Estimate to reflect value at wholesale establishments for local sales and shipper dock for mainland and foreign sales.

Sources: Statistics of Hawaiian Agriculture and National Agricultural Statistics Service, USDA.

Table 41--Plums: Acreage, production, season-average grower price, and value, California, 1970 to date

Year	Bearing acreage	Production 1/	Grower price	Value 1,000 dollars
	Acres		Dollars/ ton	
1970	21,300	123,000	160.00	19,680
1971	21,700	101,000	229.00	23,129
1972	22,800	96,000	248.00	23,808
1973	24,400	97,000	321.00	31,137
1974	24,600	143,000	275.00	39,325
1975	24,200	124,000	279.00	34,596
1976	25,500	115,000	380.00	43,700
1977	26,600	157,000	313.00	49,141
1978	26,900	154,000	370.00	56,980
1979	28,500	175,000	277.00	48,475
1980	29,400	160,000	449.00	71,810
1981	30,900	197,500	309.00	61,062
1982	32,900	118,000	620.00	73,139
1983	34,900	158,500	435.00	69,020
1984	35,800	225,000	212.00	47,796
1985	36,600	166,500	514.00	85,512
1986	38,200	152,000	657.00	99,957
1987	39,900	245,000	308.00	75,361
1988	40,800	216,000	475.00	102,661
1989 1/	40,600	213,000	445.00	94,796

1/ Production all utilized.

Source: National Agricultural Statistics Service, USDA.

Table 42--Prunes (dried basis): Acreage, production, season-average grower price, and value, California, 1970 to date 1/

Year	Bearing acreage	Production	Grower price	Value 1,000 dollars
	Acres		Dollars/ ton	
1970	96,300	200,000	202.00	40,400
1971	88,200	131,000	287.00	37,597
1972	86,000	77,000	535.00	41,195
1973	82,100	205,000	462.00	94,710
1974	79,700	142,000	440.00	62,480
1975	78,000	149,000	402.00	59,898
1976	74,100	148,000	412.00	60,976
1977	75,200	159,000	499.00	79,341
1978	74,800	132,000	696.00	91,872
1979	74,700	136,000	812.00	110,432
1980	69,600	168,000	683.00	114,744
1981	65,400	159,500	654.00	104,313
1982	66,600	126,000	679.00	85,554
1983	67,700	145,000	667.00	96,715
1984	68,700	148,000	693.00	102,564
1985	71,700	141,000	680.00	95,880
1986	72,600	99,000	819.00	81,081
1987	75,600	229,000	734.00	168,086
1988	77,200	151,000	782.00	118,082
1989	76,900	226,000	775.00	175,150

1/ The drying ratio is approximately 3 pounds of fresh to 1 pound of dried fruit.

Source: National Agricultural Statistics Service, USDA.

Table 43--Prunes and plums: Production, utilization, and season-average grower price, 4 States, 1970 to date 1/

Year	Production		Utilization		Grower price		
	Total	Utilized	Fresh	Processed	Fresh	Processed	All
	--Short tons--				--Dollars/short ton--		
1970	51,500	48,350	28,040	20,310	146.00	85.60	121.00
1971	88,400	65,000	34,280	30,720	121.00	54.70	89.60
1972	42,400	41,880	29,040	12,840	213.00	79.90	173.00
1973	73,300	66,550	29,350	37,200	210.00	98.00	148.00
1974	71,200	71,200	35,350	35,850	179.00	121.00	150.00
1975	75,600	71,600	34,550	37,050	142.00	86.80	113.00
1976	77,000	73,500	38,150	35,350	158.00	85.50	123.00
1977	61,000	58,000	30,700	27,300	219.00	89.70	158.00
1978	69,800	69,200	40,950	28,250	188.00	110.00	156.00
1979	59,200	59,200	34,100	25,100	237.00	136.00	209.00
1980	76,600	76,600	40,500	36,100	196.00	137.00	179.00
1981	65,100	62,600	32,900	29,700	167.00	126.00	156.00
1982	51,500	47,500	26,550	20,950	387.00	108.00	264.00
1983	51,200	49,200	30,000	19,200	257.00	108.00	199.00
1984	52,000	51,000	28,200	22,800	266.00	137.00	208.00
1985	51,700	48,100	21,700	26,400	329.00	148.00	230.00
1986	48,100	44,100	20,400	23,700	432.00	111.00	260.00
1987	49,500	45,200	21,600	23,600	173.00	108.00	139.00
1988	52,000	48,100	24,000	24,100	249.00	117.00	183.00
1989	44,000	41,850	22,750	19,100	289.00	115.00	209.00

1/ Idaho, Michigan, Oregon, and Washington. Mostly prunes; however, estimates include small quantities of plums in all States.

Source: National Agricultural Statistics Service, USDA.

Table 44--Dried prunes: Supply and utilization, 1970/71 to date

Season 1/	Supply					Utilization			Consumption	
	Production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Exports	Total	Per capita	Pounds
	--Million pounds, processed weight--									
1970/71	221.4	1.6	115.7	338.7	122.0	216.7	74.4	142.3	0.69	
1971/72	174.9	2.1	122.0	299.0	86.2	212.8	90.6	122.2	.58	
1972/73	86.8	10.2	86.2	183.2	10.4	172.8	69.2	103.6	.49	
1973/74	336.5	0.8	10.4	347.7	112.7	235.0	118.4	116.6	.55	
1974/75	214.6	0.1	112.7	327.4	133.1	194.3	84.0	110.3	.51	
1975/76	197.6	0.7	133.1	331.4	63.7	267.7	137.6	130.1	.60	
1976/77	200.5	1.4	63.7	265.6	48.8	216.8	101.6	115.2	.53	
1977/78	232.1	0.4	48.8	281.3	50.0	231.3	122.2	109.1	.49	
1978/79	197.5	0.8	50.0	248.3	51.1	197.2	100.2	97.0	.43	
1979/80	198.5	0.7	51.1	250.3	76.0	174.3	89.3	85.0	.38	
1980/81	259.0	0.1	76.0	335.1	114.9	220.2	120.8	99.4	.43	
1981/82	251.0	0.2	114.9	366.1	132.2	233.9	128.3	105.6	.46	
1982/83	184.5	0.8	132.2	317.5	102.3	215.2	116.4	98.8	.42	
1983/84	222.2	1.6	102.3	326.1	101.5	224.6	116.2	108.4	.46	
1984/85	218.6	1.0	101.5	321.1	125.0	196.1	103.3	92.8	.39	
1985/86	219.3	2.9	125.0	347.2	128.2	219.0	106.4	112.6	.47	
1986/87	136.9	3.2	128.2	268.3	41.2	227.1	120.0	107.1	.44	
1987/88	394.5	1.1	41.2	436.8	155.6	281.2	130.1	151.1	.62	
1988/89	229.9	1.1	155.6	386.6	118.0	268.6	126.4	142.2	.57	

1/ Season beginning August.

Sources: Commodity Economics Division, ERS, USDA and Prune Marketing Committee.

U.S. Citrus Production Rises in 1988/89

Larger orange and grapefruit crops weaken grower prices; smaller lemon crop leads to tighter market conditions and boosts grower prices.

Following an upward trend since 1984/85, U.S. citrus production reached 13.18 million short tons in 1988/89, up 3 percent from 1987/88, but well below 1983/84's record 17.83 million. Larger crops of oranges, tangerines, grapefruit, and temples were harvested, which offset smaller production of lemons, limes, and tangelos. The situation will change in 1989/90 due to the freeze in late December 1989 that significantly disrupted citrus production in Florida and Texas.

Largest Grapefruit Crop In 7 Years

U.S. grapefruit production reached 2.86 million short tons in 1988/89, up 2 percent from 1987/88 and the largest since 1981/82. In Florida, where 81 percent of the U.S. crop was produced, growers harvested 2.33 million short tons, up 2 percent from the previous season. A 26-percent larger Texas crop (192,000 short tons) also helped to offset a 7-percent decline in California (276,000 short tons), while production in Arizona remained unchanged at 63,000 short tons. In all, the larger 1988/89 crop reduced average grower prices for fresh and processing grapefruit, which at \$6.54 and \$2.52 per box, respectively, were down 4 and 39 percent from 1987/88.

With continuing strong domestic and export demand for U.S. grapefruit during the season, particularly Florida and Texas grapefruit, 49 percent of utilized production went to the fresh market in 1988/89, up from 48 percent in 1987/88. However, processing continues to be the major market for Florida grapefruit, with most processed into frozen concentrated grapefruit juice.

Grower Prices Rise With Smaller Lemon Crop

Shorter domestic supplies and strong demand boosted grower prices for lemons in 1988/89. With production at 759,000 short tons, down 3 percent from 1987/88 and also down from 1986/87, demand was heavy in both fresh and processing markets. However, the fresh market took 61 percent of the 1988/89 crop, compared with 58 percent in 1987/88.

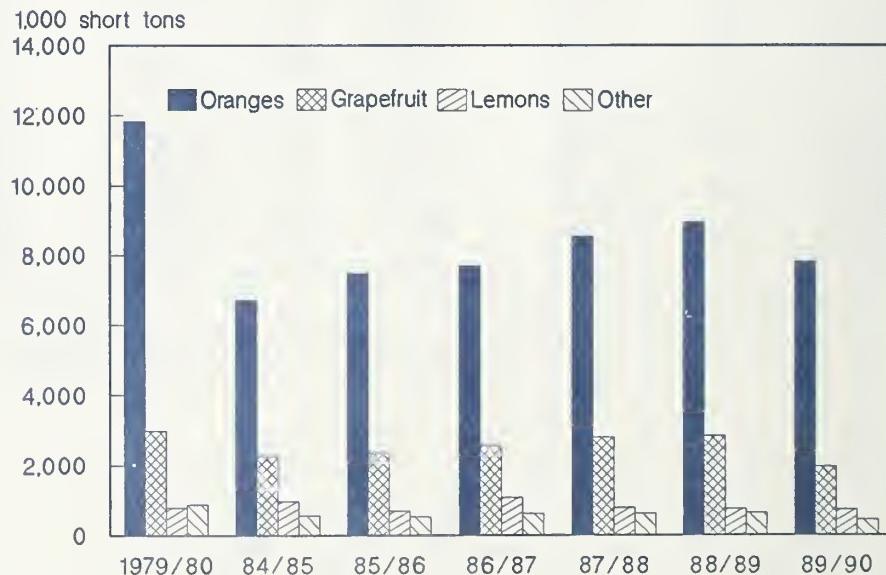
Fresh market lemons usually command a premium over prices paid in the processing market, a residual market for lemons not meeting fresh market grade. In 1988/89, grower on-tree prices for fresh market lemons averaged \$14.53 per box, up 10 percent from 1987/88 and only 6 percent below the record \$15.43 in 1985/86. Grower on-tree prices for fresh and processing lemons averaged \$8.19 per box for the 1988/89 season, 19 percent above 1987/88.

Grower Prices Decline With Larger 1988/89 Orange Crop

U.S. orange production totaled 8.95 million short tons in 1988/89, up almost 5 percent from 1987/88 and the largest crop in 8 years. The rise was due to increased bearing acreage and record yields in Florida. In Florida, the largest producing State, output totaled 6.60 million shorts tons, representing 74 percent of U.S. production. In California, the second largest producer, the crop was virtually unchanged from 1987/88, at 2.21 million short tons, as slightly improved yields offset a small decline in bearing acreage.

Improved yields and more acres of bearing age trees also increased Texas orange production, which, at 79,000 short tons, was up 30 percent from the previous season. However, production in Arizona was off 6 percent from 1987/88, at 64,000 short tons, due to reduced bearing acreage and lower yields. Strong processing demand for Florida oranges increased the volume

Figure 4
U.S. Citrus Fruit Production



and share of oranges used by Florida processors in 1988/89. At 6.22 million short tons, processed utilization of the Florida crop was up 8 percent from 1987/88, representing 94 percent of total Florida production, compared with 93 percent the previous season.

However, because of the larger Florida crop, grower prices for fresh and processing oranges in 1988/89 did not

show the strength of the previous season. On-tree prices paid for Florida processing oranges averaged \$7.26 per box in 1988/89, 4 percent below 1987/88. Similarly, on-tree prices for Florida fresh market oranges averaged \$7.58 per box, down 5 percent.

Because of the smaller 1988/89 California orange crop, the volume of California oranges used in fresh and processing

markets dropped from the previous season, although the share going to the fresh market remained steady at about 69 percent of California's utilized production. Despite the smaller harvest, California grower on-tree prices for all oranges averaged \$5.71 per box in 1988/89, down from \$6.03 in 1987/88.

Table 45--Grapefruit: Bearing acreage and yield per acre, by States, 1969/70 to date

Season 1/	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Yield per acre								
	1,000 acres	Tons								
1969/70	98.7	16.11	12.8	13.36	40.0	8.10	6.1	16.56	157.6	13.87
1970/71	107.2	17.01	12.1	13.55	37.6	10.74	6.3	12.86	163.2	15.15
1971/72	112.6	17.75	12.6	14.21	35.0	10.51	6.4	12.66	166.6	15.77
1972/73	114.6	16.84	13.1	14.43	35.0	13.49	8.0	10.63	170.7	15.68
1973/74	115.8	17.65	14.3	10.77	35.0	12.23	8.2	8.05	173.3	15.53
1974/75	115.4	16.44	15.8	14.30	33.1	8.82	9.3	9.57	173.6	14.42
1975/76	117.9	17.71	16.4	14.27	33.1	12.93	9.6	10.42	177.0	16.10
1976/77	119.3	18.36	16.6	15.06	35.1	14.13	10.2	9.41	181.2	16.73
1977/78	120.3	18.15	17.4	15.75	40.1	11.87	10.8	8.89	188.6	16.07
1978/79	124.6	17.05	19.5	10.26	39.8	9.05	8.9	8.09	192.8	14.30
1979/80	126.4	18.43	21.3	11.50	43.8	7.22	8.4	11.43	199.9	14.94
1980/81	125.6	17.02	21.8	12.06	41.5	6.46	8.1	11.11	197.0	14.01
1981/82	127.8	15.99	22.0	9.14	41.1	13.53	8.2	9.39	199.1	14.46
1982/83	128.6	13.02	21.7	10.97	42.2	10.62	6.8	15.44	199.3	12.37
1983/84	119.6	14.53	21.9	10.87	43.3	2.96	6.8	11.77	191.6	11.40
1984/85	115.5	16.19	21.1	13.70	19.1	2/	7.1	15.07	162.8	13.92
1985/86	105.1	18.91	20.9	12.73	13.5	.67	5.7	15.79	145.2	16.20
1986/87	106.0	19.96	20.8	14.66	15.2	5.16	5.9	14.92	147.9	17.49
1987/88	106.0	21.58	20.7	14.40	16.9	8.99	6.0	10.50	149.6	18.72
1988/89	106.9	21.76	19.9	13.22	18.1	10.61	6.5	9.69	151.4	18.78

1/ Season beginning November-Arizona, September-California, September or October-Florida, and October-Texas.

2/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 46--Grapefruit: Production by States, 1969/70 to date

Season 1/	Florida	California	Texas	Arizona	United States 2/	
					--1,000 short tons--	
1969/70	1,590	171	324	101	2,186	
1970/71	1,824	164	404	81	2,473	
1971/72	1,999	179	368	81	2,627	
1972/73	1,930	189	472	85	2,676	
1973/74	2,044	154	428	66	2,692	
1974/75	1,897	226	292	89	2,504	
1975/76	2,088	234	428	100	2,850	
1976/77	2,190	250	496	96	3,032	
1977/78	2,184	274	476	96	3,030	
1978/79	2,125	200	360	72	2,757	
1979/80	2,329	245	316	96	2,986	
1980/81	2,138	263	268	90	2,759	
1981/82	2,044	201	556	77	2,878	
1982/83	1,674	238	448	105	2,465	
1983/84	1,738	238	128	80	2,184	
1984/85	1,870	289	3/	107	2,266	
1985/86	1,987	266	9	90	2,352	
1986/87	2,116	305	77	88	2,586	
1987/88	2,288	298	152	63	2,801	
1988/89	2,526	263	192	63	2,844	

1/ Season beginning November-Arizona, September-California, September or October-Florida, and October-Texas.

2/ Some totals may not add due to rounding.

3/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 47--Grapefruit: Utilization of production, by States, 1969/70 to date

Season 1/	Florida			California			Texas			United States 2/		
	Fresh	Processed	Fresh	Fresh	Processed	Fresh	Fresh	Processed	Fresh	Fresh	Processed	
	-	-	-	-1,000 short tons--	-	-	-	-	-	-	-	
1969/70	606	983	90	81	56	45	197	127	949	987	1,236	1,484
1970/71	636	1,187	92	72	58	58	238	166	1,089	1,089	1,536	1,536
1971/72	724	1,273	95	85	41	40	230	138	1,109	1,109	1,566	1,566
1972/73	724	1,205	94	95	37	48	254	218	1,127	1,127	1,562	1,562
1973/74	796	1,248	79	72	36	29	216	212	1,145	1,145	1,357	1,357
1974/75	799	1,097	116	110	44	44	186	106	1,315	1,315	1,532	1,532
1975/76	866	1,221	118	116	41	58	291	137	1,40	1,40	1,891	1,891
1976/77	697	1,492	138	112	46	50	259	237	1,213	1,213	1,815	1,815
1977/78	767	1,418	144	127	38	58	264	212	1,155	1,155	1,602	1,602
1978/79	841	1,284	120	79	34	38	160	200	1,152	1,152	1,833	1,833
1979/80	829	1,500	112	131	43	54	168	148	1,152	1,152	1,833	1,833
1980/81	730	1,408	146	116	51	38	186	82	1,113	1,113	1,645	1,645
1981/82	711	1,334	120	79	36	41	289	267	1,158	1,158	1,720	1,720
1982/83	778	896	144	94	42	42	312	136	1,297	1,297	1,688	1,688
1983/84	708	1,030	150	85	54	26	114	14	1,028	1,028	1,156	1,156
1984/85	637	1,133	202	85	70	37	37	37	911	911	1,355	1,355
1985/86	834	1,153	185	78	58	32	62	15	1,083	1,083	1,264	1,264
1986/87	890	1,227	190	112	56	32	62	15	1,200	1,200	1,386	1,386
1987/88	982	1,306	195	101	42	21	111	41	1,332	1,332	1,469	1,469
1988/89	1,015	1,312	181	95	43	20	156	36	1,397	1,397	1,464	1,464

1/ Season beginning November-Arizona, September-California, September or October-Florida, and October-Texas.

2/ Some figures may not add due to rounding.

3/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 48--All grapefruit: Equivalent on-tree returns, by States, 1969/70 to date

Season 1/	Florida			California			Texas			Arizona			United States				
	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All		
	-	-	-	-	-	-	-Dollars/box 2/--	-	-	-	-	-	-	-	-		
1969/70	2.29	1.33	1.70	3.23	0.10	1.74	0.70	1.20	3.05	0.50	1.92	3.30	1.12	1.64	1.64		
1970/71	2.42	1.63	1.91	4.17	0.41	2.52	1.48	0.80	3.05	0.00	.84	2.41	1.38	1.80	1.80		
1971/72	3.14	2.32	4.27	3.4	2.42	2.24	1.22	1.86	2.05	.20	1.44	3.04	1.63	2.23	2.23		
1972/73	3.10	1.47	2.08	3.78	.14	1.95	1.21	1.80	2.00	.30	1.22	2.96	1.29	1.98	1.98		
1973/74	2.54	1.10	1.66	3.37	.22	1.87	1.92	1.88	1.31	2.30	.15	1.34	2.48	.97	1.61	1.61	
1974/75	3.03	.76	1.72	3.19	.12	1.60	2.55	1.90	1.95	2.70	.10	1.40	2.96	.66	1.72	1.72	
1975/76	2.48	.75	1.47	2.63	.11	1.73	.57	1.36	1.90	.05	.76	.40	.99	2.47	.61	.61	.61
1976/77	2.60	1.10	1.58	2.90	.49	1.38	1.88	.74	1.34	2.0	.40	.99	.44	2.46	.88	1.49	1.49
1977/78	2.35	1.26	1.64	4.80	.66	2.24	1.22	.62	0.95	2.20	.74	.62	.62	.93	1.55	2.35	2.35
1978/79	3.23	1.28	1.87	2.41	.67	3.70	2.00	1.66	4.34	3.34	.62	1.69	.53	1.48	2.35	3.01	3.01
1979/80	4.15	2.85	3.31	4.50	.48	1.82	3.18	1.91	2.59	3.33	.42	1.49	4.04	2.35	3.01	3.01	3.01
1980/81	5.25	2.76	3.60	6.34	.45	3.33	3.70	2.31	3.27	4.91	.20	2.77	5.15	2.36	3.50	3.50	3.50
1981/82	4.48	.82	2.09	3.95	1.31	1.85	2.73	.98	1.89	3.66	.28	1.0	3.94	.66	1.99	1.99	1.99
1982/83	3.61	.52	1.96	4.05	1.31	1.94	1.75	1.4	1.26	2.73	.32	1.1	3.18	.22	1.79	1.79	1.79
1983/84	4.19	1.70	2.72	5.30	1.53	2.83	2.20	1.24	1.99	4.34	.52	2.46	4.14	1.37	2.68	2.68	2.68
1984/85	5.62	2.66	3.67	6.09	.45	5.64	3	2.4	1.99	6.64	.38	4.19	6.27	2.38	3.95	3.95	3.95
1985/86	5.19	3.29	4.09	8.19	.76	5.93	8.89	3.53	8.40	5.66	.79	3.36	5.85	2.94	4.29	4.29	4.29
1986/87	5.89	4.32	4.98	7.71	.64	4.62	7.47	3.40	6.69	5.76	.64	3.54	6.27	3.79	4.94	4.94	4.94
1987/88	6.85	4.61	5.57	7.43	.41	4.76	6.61	3.32	5.73	4.58	.44	3.54	6.84	4.16	5.43	5.43	5.43
1988/89	6.68	2.85	4.52	7.34	1.04	4.69	5.06	.57	5.06	5.42	.54	3.35	6.54	2.52	4.54	4.54	4.54

1/ Season beginning November-Arizona, September or October-Florida, and October-Texas.

2/ Net content of box varies.

3/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 49--All grapefruit: Monthly equivalent on-tree returns received by growers, Arizona, 1969/70 to date

Season	November	December	January	February	March	April	May	June	July	August	September	October
	--Dollars/box 1/-											
1969/70	2.79	1.02	0.84	0.94	0.71	1.22	2.50	3.32	1.95	2.82	---	---
1970/71	2.32	2.49	.19	.27	.31	.42	1.07	2.57	1.51	1.51	---	---
1971/72	1.18	1.00	.99	1.25	1.00	1.07	1.62	1.98	1.35	1.35	1.45	1.28
1972/73	1.47	.96	.84	1.02	1.17	1.29	1.04	1.18	1.59	1.42	1.42	1.28
1973/74	1.22	.40	1.26	1.10	.90	.65	1.18	1.59	1.42	1.42	1.42	1.28
1974/75	1.25	.64	.78	.86	.74	1.24	1.67	2.44	1.91	1.91	1.91	1.75
1975/76	2.05	.71	.57	.36	.18	.31	.86	1.13	1.04	1.19	1.19	1.19
1976/77	2.21	.65	.32	.64	.37	.60	.88	1.28	1.61	1.61	1.61	1.60
1977/78	1.93	.32	.26	.19	.17	.00	.46	.74	.35	1.11	1.11	1.11
1978/79	1.26	.56	.16	.29	.92	.23	.67	1.38	1.38	1.38	1.38	1.38
1979/80	3.34	3.03	2.53	2.43	.88	.98	1.14	1.36	1.07	.38	1.11	1.11
1980/81	2.75	1.83	2.19	1.91	1.79	2.46	3.19	4.45	.87	4.84	4.84	4.84
1981/82	2.51	.14	1.73	.63	.62	.38	.48	.87	1.29	2.54	2.54	2.54
1982/83	1.47	.92	.91	.55	.47	.50	1.00	1.81	1.17	1.17	1.17	1.17
1983/84	1.86	1.80	2.54	2.47	2.59	2.71	3.04	1.85	1.85	2.34	2.34	2.34
1984/85	4.94	5.87	5.97	5.55	3.90	2.50	3.11	2.88	1.88	4.60	4.60	4.60
1985/86	4.84	4.67	3.86	3.27	2.18	2.42	3.00	1.47	1.47	6.09	6.09	6.09
1986/87	5.29	3.55	3.45	2.78	1.69	.95	3.36	3.27	.95	12.08	12.08	12.08
1987/88	3.91	4.01	3.93	2.84	2.24	2.62	3.08	2.43	.95	5.61	5.61	5.61
1988/89	3.28	3.67	2.82	2.28	3.03	2.98	3.19	3.14	.34	6.59	6.59	6.59
1989/90	4.44	4.00	6.33	7.87	10.67	10.40	8.56	7.75	7.27	5.68	5.68	5.68

--- = Insufficient marketing to establish price.

1/- Net content of box is 64 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 50--All grapefruit: Monthly equivalent on-tree returns received by growers, California, 1969/70 to date

Season	September	October	November	December	January	February	March	April	May	June	July	August
	--Dollars/box 1/-											
1969/70	---	2.09	0.97	0.83	0.57	0.70	0.93	2.20	2.85	2.85	2.32	2.32
1970/71	3.35	---	2.67	2.28	1.54	1.16	1.27	1.71	2.65	3.21	3.05	2.77
1971/72	3.08	4.40	1.62	1.69	1.49	.83	1.09	1.58	2.21	2.85	2.75	2.91
1972/73	3.31	3.62	1.69	1.19	1.82	1.08	.92	1.02	1.26	1.75	2.56	2.60
1973/74	1.91	1.49	1.95	1.70	1.08	.90	.62	.73	1.05	1.05	2.09	2.36
1974/75	.90	.10	1.22	.98	.75	.52	1.08	1.80	1.96	2.13	2.10	2.18
1975/76	.86	.34	.80	1.21	1.00	.63	.55	.83	1.31	1.53	1.43	1.76
1976/77	.90	.96	.62	.55	1.36	1.47	.88	1.15	1.06	1.47	1.47	1.61
1977/78	2.13	1.60	1.87	2.93	2.06	.99	.88	.77	.93	1.51	2.53	3.86
1978/79	7.74	3.56	3.70	2.06	3.22	1.32	1.85	5.08	2.96	5.52	4.12	4.12
1979/80	5.07	1.77	1.74	1.78	1.97	1.96	1.82	1.60	1.71	2.13	1.44	2.21
1980/81	2.28	3.01	3.19	3.44	2.65	2.55	2.79	2.98	2.76	3.57	3.07	3.07
1981/82	5.69	3.17	3.78	4.80	3.64	2.18	1.15	1.05	1.28	1.47	3.40	1.62
1982/83	1.48	1.74	1.97	1.46	1.12	.90	1.20	1.05	1.49	1.96	2.47	2.76
1983/84	2.58	3.31	3.36	3.59	4.08	3.93	2.59	2.50	3.13	3.13	2.44	2.47
1984/85	3.42	3.89	7.50	7.74	7.52	5.38	5.35	2.90	4.82	4.93	6.22	5.80
1985/86	7.64	4.37	9.61	8.06	8.04	5.97	6.13	3.33	4.11	6.76	6.03	6.14
1986/87	8.05	5.32	6.20	5.40	5.66	4.53	4.41	3.60	4.13	4.59	5.53	5.30
1987/88	4.67	5.32	8.58	6.24	5.84	5.51	4.07	3.59	3.71	5.97	5.01	5.46
1988/89	5.26	5.32	6.23	6.82	5.70	2.97	3.34	3.45	3.35	3.96	5.62	5.71
1989/90	6.10	8.17	4.96	6.74	9.86	7.09	7.74	8.29	9.12	10.15	12.36	12.36

--- = Insufficient marketing to establish price.

1/- Net content of box is 64 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 51--All grapefruit: Monthly equivalent on-tree returns received by growers, Florida, 1969/70 to date

Season	October	November	December	January	February	March	April	May	June	July	August	September
	-Dollars/box 1/-											
1969/70	1.73	1.55	1.53	1.65	1.60	1.63	1.98	2.61	---	---	---	---
1970/71	2.11	1.61	1.59	1.62	2.22	2.19	2.18	1.93	2.43	3.22	2.94	---
1971/72	3.06	2.28	2.02	1.95	2.02	2.00	2.04	2.24	2.80	2.06	2.42	---
1972/73	2.74	2.18	2.02	1.76	1.65	1.51	1.34	1.85	1.35	1.81	1.82	---
1973/74	2.07	1.57	1.59	1.56	1.58	1.64	1.68	2.39	2.39	2.79	2.37	---
1974/75	2.08	1.45	1.51	1.37	1.24	1.21	1.39	1.97	1.61	1.77	---	---
1975/76	2.15	1.60	1.60	1.37	1.85	1.44	1.41	1.41	1.40	1.58	2.07	---
1976/77	2.60	1.84	1.81	1.64	2.06	2.20	2.35	2.79	3.69	3.69	---	---
1977/78	3.68	1.95	1.90	1.90	3.06	3.09	3.08	3.28	3.98	---	---	---
1978/79	3.92	3.54	3.41	3.41	3.06	3.09	3.08	3.28	3.98	---	---	---
1979/80	4.13	3.30	3.25	3.23	3.31	3.61	4.46	5.34	6.09	6.09	5.59	---
1980/81	4.27	2.48	2.36	1.87	1.90	1.66	1.43	1.72	2.36	2.75	4.04	---
1981/82	2.63	1.87	1.87	1.90	2.18	2.05	2.24	2.76	3.62	3.84	4.04	---
1982/83	3.78	2.10	1.99	1.99	3.95	3.87	3.49	3.22	3.71	4.15	4.15	---
1983/84	4.60	4.10	3.95	3.58	3.78	3.86	3.89	4.04	4.04	5.64	7.24	---
1984/85	4.69	3.58	3.58	4.14	4.64	4.69	4.72	4.67	4.87	5.22	6.24	---
1985/86	4.17	6.23	5.79	5.58	5.58	5.50	5.19	5.20	5.12	5.12	5.12	---
1986/87	8.16	5.29	4.32	4.32	4.38	4.56	4.24	4.07	4.58	4.94	4.94	---
1987/88	8.19	5.43	5.02	3.94	4.56	5.95	5.95	7.74	7.74	7.74	7.74	---

1/ Net content of box is 85 pounds.

1/ Insufficient marketing to establish price.

Source: National Agricultural Statistics Service, USDA.

Table 52--All grapefruit: Monthly equivalent on-tree returns received by growers, Texas, 1969/70 to date

Season	October	November	December	January	February	March	April	May	June	July	August	September
	-Dollars/box 1/-											
1969/70	2.59	1.89	1.38	1.18	1.02	1.04	1.09	1.31	1.44	1.75	1.75	---
1970/71	2.27	1.36	1.06	0.96	1.10	1.16	1.40	1.40	1.40	1.38	1.38	---
1971/72	2.74	2.10	1.80	1.70	1.78	1.92	1.92	1.86	1.60	1.60	1.60	---
1972/73	3.08	2.71	2.45	2.08	1.86	1.58	1.58	1.28	1.28	1.29	1.29	---
1973/74	3.80	2.58	1.75	1.15	1.13	1.83	1.83	1.79	1.79	1.18	1.18	---
1974/75	3.56	3.09	2.02	1.70	1.69	1.58	1.58	1.58	1.58	1.58	1.58	---
1975/76	2.43	1.90	1.74	1.19	1.04	1.16	1.16	1.16	1.16	1.16	1.16	---
1976/77	3.00	2.08	2.02	1.22	1.41	1.33	1.33	1.19	1.19	1.19	1.19	1/
1977/78	3.52	2.59	2.04	1.13	.80	.73	.73	.56	.61	.61	.61	1/
1978/79	4.00	2.38	1.59	.89	.91	.85	.85	1.21	1.21	1.21	1.21	1/
1979/80	3.01	2.45	2.34	2.22	2.30	2.30	2.30	2.18	2.18	2.18	2.18	1/
1980/81	4.57	3.66	2.99	2.71	3.09	3.36	3.44	3.44	3.44	3.44	3.44	1/
1981/82	4.75	2.98	2.11	1.68	1.92	1.32	1.32	1.32	1.32	1.32	1.32	1/
1982/83	2.97	2.26	2.33	.94	.72	.59	.59	.56	.56	.56	.56	1/
1983/84	---	2.50	2.13	2.12	.52	---	---	---	---	---	---	1/
1984/85	---	8.70	7.90	5.92	---	---	---	---	---	---	---	1/
1985/86	---	8.70	7.90	5.92	---	---	---	---	---	---	---	1/
1986/87	10.17	9.97	8.74	5.39	5.12	5.69	4.47	4.47	4.47	4.47	4.47	1/
1987/88	9.69	8.90	7.68	5.50	4.92	4.98	3.93	3.93	3.93	3.93	3.93	1/
1988/89	7.51	7.36	6.15	3.95	3.02	4.98	2.34	2.34	2.34	2.34	2.34	1/
1989/90	8.08	7.36	6.01	5.89	5.01	5.95	5.95	5.95	5.95	5.95	5.95	1/

1/ Insufficient marketing to establish price.

1/ Net content of box is 80 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 53--All grapefruit: Monthly equivalent on-tree returns received by growers, United States, 1969/70 to date

Season	September	October	November	December	January	February	March	April	May	June	July	August
--Dollars/box--												
1969/70	---	1.77	1.63	1.48	1.48	1.43	1.45	1.63	2.37	3.07	2.20	2.06
1970/71	3.35	2.11	1.59	1.51	1.43	1.55	1.71	1.99	2.51	3.02	3.03	2.77
1971/72	3.08	3.04	2.25	2.11	2.05	2.06	1.97	2.11	2.52	2.77	2.37	2.91
1972/73	3.31	3.46	2.25	2.06	1.92	1.95	1.80	1.70	1.73	1.99	2.23	2.53
1973/74	1.91	2.74	2.03	1.65	1.49	1.41	1.23	1.27	1.71	1.69	1.92	2.32
1974/75	.90	2.17	1.74	1.70	1.53	1.54	1.59	1.67	2.22	2.38	2.06	1.18
1975/76	2.01	2.09	1.55	1.55	1.30	1.16	1.15	1.29	1.75	1.41	1.24	1.71
1976/77	.90	2.24	1.71	1.53	1.30	1.71	1.39	1.33	1.34	1.44	1.29	1.61
1977/78	2.13	2.63	1.85	1.85	1.49	1.36	1.26	1.14	1.21	1.63	2.45	3.86
1978/79	7.74	5.88	2.03	1.80	1.79	1.82	2.19	2.77	3.50	5.41	6.52	4.12
1979/80	5.07	4.03	3.43	3.17	2.88	2.91	2.93	3.05	3.14	1.93	1.36	1.61
1980/81	4.22	3.34	3.20	3.10	3.25	3.50	4.05	3.90	4.09	3.84	3.07	5.69
1981/82	4.32	2.65	2.31	1.84	1.64	1.46	1.98	2.07	1.13	2.93	1.42	3.23
1982/83	3.59	2.69	1.94	1.99	1.52	1.24	1.48	1.73	1.82	1.85	2.12	2.58
1983/84	2.58	3.77	2.26	2.04	2.55	2.22	2.75	3.46	3.54	2.63	2.44	2.47
1984/85	3.42	4.60	4.54	4.33	4.21	3.63	3.30	3.55	4.26	4.51	6.22	5.80
1985/86	6.10	4.03	4.88	4.71	4.57	4.53	2.65	1.30	2.44	6.68	6.03	6.14
1986/87	8.22	7.53	4.88	4.82	4.75	4.67	4.85	4.97	4.93	4.31	5.45	4.30
1987/88	4.47	8.68	6.54	5.97	5.56	5.45	5.10	5.02	4.74	3.52	4.93	5.46
1988/89	5.26	7.58	5.45	4.61	4.34	4.10	3.92	4.41	4.65	3.79	5.57	5.71
1989/90	6.10	8.18	5.54	5.18	4.62	4.68	6.23	8.19	9.06	10.08	12.32	

--- = Insufficient marketing to establish price.

Source: National Agricultural Statistics Service, USDA.

Table 54--Grapefruit, Florida white seedless: Season average prices and spreads for the Northeast and North Central regions, 1980/81 to date 1/

Season 2/	Northeast				North Central					
	Prices 3/		Spreads		Prices 3/		Spreads			
	F.o.b. shipping point	Wholesale	Retail value 4/	Shipping point- wholesale	Wholesale- retail	F.o.b. shipping point	Wholesale	Retail value 4/	Shipping point- wholesale	
--Dollars per 42.5 pound carton--										
1980/81	4.32	6.43	13.72	2.11	7.29	4.29	7.76	14.45	3.47	6.69
1981/82	3.84	6.26	13.42	2.42	7.16	3.87	7.59	14.59	3.72	7.00
1982/83	3.88	6.13	11.95	2.25	5.82	3.84	7.02	12.95	3.18	5.93
1983/84	3.81	5.93	13.11	2.12	7.18	3.76	7.94	15.33	4.18	7.39
1984/85	4.61	6.89	14.54	2.28	7.65	4.58	8.27	17.36	3.69	9.09
1985/86	4.76	6.96	15.31	2.20	8.35	4.64	8.38	16.83	3.74	8.45
1986/87	5.13	7.55	17.27	2.42	9.72	5.07	8.74	19.20	3.67	10.46
1987/88	5.46	8.38	19.15	2.92	10.77	5.58	9.61	20.16	4.03	10.55
1988/89	5.22	8.01	17.65	2.79	9.64	5.37	7.79	20.07	2.42	12.28
1989/90	7.17	9.28	20.96	2.11	11.68	6.87	10.90	23.47	4.03	12.57

1/ U.S. no. 1.

2/ November-April.

3/ Season average prices are derived by weighting monthly prices by monthly arrivals of all Florida grapefruit in New York City for the Northeast and Chicago for the North Central region.

4/ Adjusted to allow for 3-percent loss incurred during marketing.

Source: Commodity Economics Division, ERS, USDA.

Table 55--Fresh grapefruit: Supply and utilization, 1969/70 to date

Season 1/	Supply			Utilization			Consumption		
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total	Per capita		
							Pounds	Pounds	Pounds
--Million pounds--									
1969/70	1,900.0	8.0	1,908.0	230.2	1.6	1,676.2			8.17
1970/71	1,978.0	6.8	1,984.8	215.1	1.4	1,768.3			8.52
1971/72	2,180.0	14.1	2,194.1	401.4	2.1	1,790.6			8.53
1972/73	2,218.0	17.4	2,235.4	423.6	3.0	1,808.8			8.54
1973/74	2,262.0	14.2	2,276.2	518.2	2.2	1,755.8			8.21
1974/75	2,290.0	10.4	2,300.4	502.0	1.5	1,796.9			8.32
1975/76	2,634.0	9.4	2,643.4	628.0	1.4	2,014.0			9.24
1976/77	2,282.0	19.3	2,301.3	604.9	.7	1,695.7			7.70
1977/78	2,430.0	7.0	2,437.0	584.5	.9	1,851.6			8.32
1978/79	2,310.0	6.0	2,316.0	613.8	.8	1,701.4			7.56
1979/80	2,304.0	6.7	2,310.7	483.7	1.2	1,825.8			8.02
1980/81	2,228.0	9.4	2,237.4	650.6	.8	1,586.0			6.89
1981/82	2,316.0	3.9	2,319.9	574.3	.5	1,745.1			7.51
1982/83	2,594.0	4.8	2,598.8	679.9	.5	1,918.6			8.17
1983/84	2,056.0	2.1	2,058.1	547.7	.4	1,510.0			6.37
1984/85	1,822.0	5.1	1,827.1	438.4	.3	1,388.4			5.80
1985/86	2,176.0	5.5	2,181.5	594.3	.1	1,587.1			6.57
1986/87	2,400.0	4.0	2,404.0	765.7	.0	1,638.3			6.72
1987/88	2,664.0	11.0	2,675.0	1,018.5	.0	1,656.5			6.73
1988/89	2,794.0	8.5	2,802.5	1,097.2	.0	1,705.3			6.86

1/ Season beginning September.

Source: Commodity Economics Division, ERS, USDA.

Table 56--Grapefruit processed, Florida, 1969/70 to date

Season	Frozen concen- trates	Chilled products			Other processed 1/	Total
		Juices	Sections and salads	Total		
--1,000 boxes 2/--						
1969/70	4,579	1,824	1,158	2,982	15,577	26,120
1970/71	6,819	2,348	1,091	3,439	17,682	31,379
1971/72	8,725	3,206	994	4,200	17,036	34,161
1972/73	8,212	2,908	1,209	4,117	16,025	32,471
1973/74	8,732	2,715	1,118	3,833	16,804	33,202
1974/75	7,779	3,332	967	4,299	13,725	30,102
1975/76	8,987	3,919	1,054	4,973	14,771	33,704
1976/77	13,020	4,331	934	5,265	16,822	40,372
1977/78	13,999	4,363	917	5,280	14,083	38,642
1978/79	13,274	3,162	771	3,933	13,001	34,141
1979/80	18,506	3,592	801	4,393	12,400	39,692
1980/81	19,490	2,844	645	3,489	10,154	36,622
1981/82	20,052	--	--	2,406	8,923	31,381
1982/83	13,977	--	--	1,731	5,379	21,087
1983/84	18,728	--	--	1,320	4,191	24,239
1984/85	22,996	--	--	1,065	4,951	29,012
1985/86	21,572	--	--	1,189	4,369	27,130
1986/87	24,143	--	--	2,295	2,424	28,862
1987/88	26,690	--	--	1,965	2,085	30,740
1988/89	26,621	--	--	2,639	1,601	30,861

-- Series no longer reported separately.

1/ Includes cannery juices, blends, and sections and salads.

2/ Net box weight 85 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 57--Frozen concentrated grapefruit juice: Canners' stocks, pack, supplies, and movement, Florida, 1969/70 to date

Season 1/	Carryin	Pack	Supply	Movement	Ending
					inventory
--Million gallons 2/--					
1969/70	1.4	4.3	5.7	5.2	0.5
1970/71	0.5	6.9	7.4	6.3	1.1
1971/72	1.1	8.8	9.9	7.1	2.8
1972/73	2.8	8.7	11.5	7.9	3.6
1973/74	3.6	9.0	12.6	7.7	4.9
1974/75	4.9	7.8	12.7	8.5	4.2
1975/76	4.2	9.5	13.7	10.4	3.3
1976/77	3.3	12.4	15.7	11.9	3.8
1977/78	3.8	14.0	17.8	13.6	4.2
1978/79	4.2	14.4	18.6	16.3	2.3
1979/80	2.3	19.6	21.9	17.0	4.9
1980/81	4.9	21.1	26.0	17.6	8.4
1981/82	8.4	21.9	30.3	18.9	11.4
1982/83	11.4	15.1	26.5	21.1	5.4
1983/84	5.4	20.2	25.6	21.6	4.0
1984/85	4.0	25.3	29.3	25.9	3.4
1985/86	3.4	26.2	29.6	26.2	3.4
1986/87	3.4	30.2	33.6	28.4	5.2
1987/88	5.2	33.5	38.7	28.9	9.8
1988/89	9.8	33.1	42.9	27.6	15.3

1/ Season beginning December.

2/ 40 degree Brix.

Source: Florida Citrus Processors Association.

Table 58--Chilled grapefruit juice: Canners' stocks, pack, supplies, and movement, Florida, 1969/70 to date

Season 1/	Carryin	Pack 2/	Supply	Movement	Ending inventory
--1,000 gallons 3/-					
1969/70	1,067	9,430	10,497	10,128	369
1970/71	369	12,949	13,318	12,394	924
1971/72	924	17,358	18,282	15,261	3,021
1972/73	3,021	16,071	19,092	16,871	2,221
1973/74	2,221	17,376	19,597	17,916	1,681
1974/75	1,681	20,535	22,216	20,768	1,448
1975/76	1,448	24,538	25,986	24,583	1,403
1976/77	1,403	25,074	26,477	25,111	1,366
1977/78	1,366	25,460	26,826	24,920	1,906
1978/79	1,906	27,132	29,038	27,598	1,440
1979/80	1,440	28,674	30,114	27,364	2,750
1980/81	2,750	26,023	28,773	26,291	2,482
1981/82	2,482	22,943	25,425	23,224	2,201
1982/83	2,201	20,336	22,537	21,177	1,360
1983/84	1,360	27,642	29,002	27,336	1,666
1984/85	1,666	32,391	34,057	32,485	1,572
1985/86	1,572	33,989	35,561	33,600	1,961
1986/87	1,961	37,493	39,454	37,546	1,908
1987/88	1,908	36,884	38,792	36,267	2,525
1988/89	2,524	37,478	40,002	36,222	3,780

1/ Season beginning October.

2/ Fresh and frozen concentrated juice, but excluding reprocessed single-strength.

3/ Single-strength basis.

Source: Florida Citrus Processors Association.

Table 59--Canned grapefruit juice: Canners' stocks, pack, supplies, and movement, Florida, 1969/70 to date 1/

Season 2/	Carryin	Pack	Supply	Movement	Ending inventory
--1,000 cases, (24 No. 2's)--					
1969/70	1,634	16,423	18,057	17,238	819
1970/71	819	19,110	19,929	18,324	1,605
1971/72	1,605	20,873	22,478	18,168	4,310
1972/73	4,310	19,059	23,369	19,166	4,203
1973/74	4,203	20,576	24,779	18,780	5,999
1974/75	5,999	15,951	21,950	18,129	3,821
1975/76	3,821	18,439	22,260	18,623	3,637
1976/77	3,637	18,029	21,666	16,943	4,723
1977/78	4,723	16,789	21,512	17,951	3,561
1978/79	3,561	16,764	20,325	17,295	3,030
1979/80	3,030	16,604	19,634	16,222	3,412
1980/81	3,412	14,231	17,643	14,335	3,308
1981/82	3,308	15,725	19,033	14,767	4,266
1982/83	4,266	11,651	15,917	13,495	2,422
1983/84	2,422	9,513	11,935	10,231	1,704
1984/85	1,704	10,552	12,256	10,968	1,288
1985/86	1,288	9,948	11,236	9,721	1,515
1986/87	1,515	8,982	10,497	9,027	1,470
1987/88	1,470	7,724	9,194	7,872	1,322
1988/89	1,323	7,956	9,279	7,885	1,394

1/ Single-strength. Beginning 1976/77 includes reconstituted grapefruit juice.

2/ Season beginning October 1.

Source: Florida Citrus Processors Association.

Table 60--Lemons: Acreage, yield per acre, and production, by States, 1969/70 to date

Season 1/	California			Arizona			United States				
	Bearing acreage	Yield per acre	Production	Bearing acreage	Yield per acre	Production	Bearing acreage	Yield per acre	Production 2/		
	1,000 acres	Tons	1,000 short tons		1,000 acres	Tons	1,000 short tons		1,000 acres	Tons	1,000 short tons
1969/70	37.4	12.49	467	9.7	11.01	107	47.1	12.20	575		
1970/71	38.2	13.22	505	12.2	9.84	120	50.4	12.40	625		
1971/72	39.1	13.22	517	12.9	9.07	117	52.0	12.19	634		
1972/73	41.1	16.28	669	14.5	12.07	175	55.6	15.18	844		
1973/74	44.7	12.66	566	19.9	5.53	110	64.6	10.46	676		
1974/75	45.6	18.51	844	20.5	13.37	274	66.1	16.90	1,117		
1975/76	47.3	12.22	578	20.3	4.53	92	67.6	9.91	670		
1976/77	47.9	16.66	798	20.3	9.36	190	68.2	14.49	988		
1977/78	49.0	15.73	771	20.9	10.53	220	69.9	14.19	992		
1978/79	50.3	10.66	536	18.6	11.24	209	68.9	10.81	745		
1979/80	49.8	13.51	673	20.3	5.71	116	70.1	11.26	789		
1980/81	52.7	17.51	923	19.2	13.85	266	71.9	16.54	1,189		
1981/82	54.2	12.97	703	21.6	11.06	239	75.8	12.43	942		
1982/83	52.0	14.83	771	19.5	9.18	179	71.5	13.29	950		
1983/84	51.5	12.74	656	18.3	7.27	133	69.8	11.29	789		
1984/85	49.6	15.16	752	17.0	12.65	215	66.6	14.52	967		
1985/86	48.8	11.76	574	16.5	7.15	118	65.3	10.60	692		
1986/87	48.4	16.88	817	15.5	17.42	270	63.9	17.01	1,087		
1987/88	48.9	13.21	646	15.5	8.97	139	64.5	12.17	785		
1988/89	48.3	12.73	615	15.5	9.29	144	63.8	11.90	759		

1/ Season beginning September-Arizona and August-California.

2/ Some figures may not add due to rounding.

Source: National Agricultural Statistics Service, USDA.

Table 61--Lemons: Utilization of production, by States, 1969/70 to date

Season 1/	California		Arizona		United States	
	Fresh	Processed	Fresh	Processed	Fresh	Processed
--1,000 short tons--						
1969/70	300	167	51	56	351	223
1970/71	319	186	49	71	368	257
1971/72	315	201	50	67	365	269
1972/73	346	323	71	104	417	427
1973/74	357	209	66	44	423	253
1974/75	365	479	73	201	438	679
1975/76	363	214	52	40	416	254
1976/77	418	380	79	111	497	491
1977/78	376	395	87	133	464	528
1978/79	348	187	106	103	455	290
1979/80	347	326	60	56	407	382
1980/81	348	576	85	181	433	757
1981/82	303	400	98	141	401	542
1982/83	352	420	84	94	436	514
1983/84	351	304	77	56	428	360
1984/85	355	397	86	129	441	526
1985/86	361	213	72	46	433	259
1986/87	380	437	89	181	469	618
1987/88	384	262	75	64	458	326
1988/89	391	224	75	69	467	293

1/ Season beginning September-Arizona and August-California.

Source: National Agricultural Statistics Service, USDA.

Table 62--All lemons: Equivalent on-tree returns, by States, 1969/70 to date

Season 1/	California			Arizona			United States		
	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All
	--Dollars/box 2/--								
1969/70	5.30	0.64	3.64	6.60	0.65	3.49	5.49	0.64	3.61
1970/71	5.74	.86	3.96	5.70	.50	2.61	5.73	.76	3.70
1971/72	5.50	1.12	3.79	5.30	.60	2.60	5.47	.99	3.57
1972/73	5.25	.71	3.07	5.55	.75	2.70	5.30	.72	2.99
1973/74	7.05	.58	4.66	7.60	.70	4.83	7.14	.60	4.69
1974/75	6.43	.62	2.43	5.30	.25	1.60	6.24	.36	2.23
1975/76	6.75	.80	3.95	9.15	.95	4.79	7.05	.82	4.07
1976/77	4.20	.95	1.75	4.35	.95	1.27	4.22	.95	1.66
1977/78	6.57	1.04	2.67	4.30	1.36	.88	6.14	1.12	2.27
1978/79	9.43	-1.00	5.78	4.34	.98	1.73	8.24	.99	4.64
1979/80	9.00	1.02	5.13	9.90	.04	5.13	9.13	.87	5.13
1980/81	6.22	.33	2.14	4.30	.24	1.21	5.84	.31	1.93
1981/82	7.64	-2.90	1.64	5.13	-2.90	.39	7.03	-2.90	1.32
1982/83	6.20	-2.94	1.22	5.93	-2.92	1.25	6.14	-2.94	1.23
1983/84	8.16	-2.06	3.41	5.07	-3.12	1.63	7.54	-2.24	3.08
1984/85	10.58	-1.06	4.44	6.74	-1.91	1.54	9.80	-1.28	3.76
1985/86	14.28	-1.18	8.55	20.95	-1.23	12.28	15.43	-1.19	9.21
1986/87	10.54	-1.18	4.27	6.32	-1.10	1.35	9.74	-1.16	3.55
1987/88	13.44	-2.04	7.16	12.24	-2.04	5.65	13.24	-2.04	6.89
1988/89	14.96	-2.12	8.74	12.24	-2.04	5.65	14.53	-1.91	8.19

1/ Season beginning September-Arizona and August-California.

2/ Approximated net content of box is 76 pounds.

Sources: Florida Agricultural Statistics and National Agricultural Statistics Service, USDA.

Table 63--All lemons: Monthly equivalent on-tree returns received by growers, Arizona, 1969/70 to date

Season	September	October	November	December	January	February	March	April	May	June	July	August
	--Dollars/box 1/--											
1969/70	6.10	4.84	3.92	3.68	2.34	2.07	--	--	--	--	--	--
1970/71	5.23	4.79	2.91	2.02	1.58	1.08	--	--	--	--	--	--
1971/72	--	3.76	3.02	2.32	2.18	2.24	--	--	--	--	--	--
1972/73	--	3.30	2.47	2.53	2.50	2.55	--	--	--	--	--	--
1973/74	--	7.36	5.31	4.27	3.88	3.11	4.34	--	--	--	--	--
1974/75	--	4.81	2.03	.96	1.19	.65	.93	.74	--	--	--	--
1975/76	--	10.25	7.69	3.45	2.34	1.12	1.80	--	--	--	--	--
1976/77	--	2.04	1.29	1.08	1.16	.62	.03	.09	--	--	--	--
1977/78	5.12	3.09	.97	.56	.14	.01	.49	.80	--	--	--	--
1978/79	--	2.04	1.83	1.95	1.86	1.29	1.30	1.89	0.55	--	--	--
1979/80	14.26	12.25	7.69	3.92	2.01	.83	.25	--	--	--	--	--
1980/81	7.83	4.99	2.43	1.37	.77	.22	.10	.05	.36	--	--	--
1981/82	6.41	.81	.30	.01	.56	1.41	1.65	.41	--	--	--	--
1982/83	5.65	1.65	1.40	.55	.22	.37	.19	.03	--	--	--	--
1983/84	5.92	3.38	1.18	.56	.14	.14	.71	1.41	4.34	--	--	--
1984/85	7.32	2.55	1.30	1.75	.89	-.01	-1.15	-1.06	--	--	--	--
1985/86	27.05	30.22	10.16	6.78	5.00	1.88	-.49	-.81	10.10	--	--	--
1986/87	2.27	3.37	2.41	1.70	.83	.47	-.09	-.78	-2.32	--	--	--
1987/88	10.77	9.62	6.96	3.63	1.58	2.29	5.72	-1.28	--	--	--	--
1988/89	12.13	8.61	5.78	3.98	2.92	1.53	5.25	--	--	--	--	--
1989/90	19.38	13.51	9.14	6.68	4.77	4.31	7.65	--	--	--	--	--

--- = Insufficient marketing to establish price.

1/ Net content of box is 76 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 64--All lemons: Monthly equivalent on-tree returns received by growers, California, 1969/70 to date

Season	August	September	October	November	December	January	February	March	April	May	June	July
	--Dollars/box 1/--											
1969/70	5.47	5.45	3.83	4.51	4.89	3.71	3.32	2.43	2.74	3.30	3.45	3.87
1970/71	4.18	4.10	2.66	3.00	3.11	3.47	3.57	4.00	4.62	4.59	4.37	3.82
1971/72	3.29	3.74	3.18	3.03	3.25	3.50	3.60	3.74	3.92	4.09	4.08	4.70
1972/73	4.48	4.06	3.33	2.79	1.88	2.87	3.10	3.08	2.13	2.52	3.28	4.14
1973/74	7.87	7.16	4.58	4.15	4.33	4.00	3.68	3.82	3.60	4.26	4.00	4.96
1974/75	4.39	3.70	2.83	.53	.45	.75	1.18	1.75	1.67	2.54	3.35	3.87
1975/76	7.49	8.59	9.79	8.98	3.23	2.65	2.83	3.67	2.54	2.23	2.63	3.22
1976/77	1.56	.73	1.62	1.72	1.83	2.17	2.40	2.26	2.20	.92	1.28	1.36
1977/78	4.28	4.74	3.73	1.25	1.18	0.92	.58	.40	.93	1.90	5.72	11.55
1978/79	12.10	6.59	4.76	2.25	1.76	2.06	1.78	2.98	3.79	5.76	8.63	17.62
1979/80	23.94	12.19	9.72	5.42	3.90	1.84	2.07	2.49	2.61	3.07	4.03	9.34
1980/81	8.99	5.57	3.73	2.30	.89	.53	.22	.51	.78	1.01	1.88	6.89
1981/82	7.30	6.94	.17	1.40	1.06	.84	1.56	.09	1.21	2.57	2.95	7.47
1982/83	6.50	6.23	1.63	.57	.18	.86	.92	.42	.92	.55	2.67	7.27
1983/84	6.66	6.30	5.16	.95	.13	.53	.65	.11	1.36	5.33	11.69	11.30
1984/85	12.11	10.27	4.31	1.87	2.79	2.09	1.43	1.73	1.74	4.16	7.47	12.09
1985/86	22.09	22.26	18.40	11.09	8.16	7.15	5.01	4.36	4.51	4.56	7.88	8.92
1986/87	4.06	1.16	3.04	2.57	1.96	2.56	2.98	3.38	3.44	5.01	8.58	10.76
1987/88	12.26	8.94	7.74	3.99	2.74	1.64	2.27	5.92	6.58	8.04	12.09	13.42
1988/89	15.76	9.87	8.19	4.85	3.87	4.10	4.31	5.24	7.20	11.32	14.66	15.17
1989/90	15.23	17.76	13.46	10.23	7.87	9.62	9.49	9.68	10.14	10.59	12.17	11.94

1/ Net content of box is 76 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 65--All lemons: Monthly equivalent on-tree returns received by growers, United States, 1969/70 to date

Season	August	September	October	November	December	January	February	March	April	May	June	July
--Dollars/box 1/-												
1969/70	5.47	5.47	4.39	4.11	4.15	2.97	3.00	2.43	2.74	3.30	3.45	3.87
1970/71	4.18	4.25	3.53	2.96	2.45	2.56	3.19	4.00	4.62	4.59	4.37	3.82
1971/72	3.29	3.74	3.35	3.03	2.65	2.79	3.29	3.74	3.92	4.09	4.08	4.70
1972/73	4.48	4.06	3.31	2.55	2.24	2.71	3.07	3.08	2.13	2.52	3.28	4.14
1973/74	7.87	7.16	5.64	4.56	4.30	3.93	3.52	3.83	3.60	4.26	4.00	4.96
1974/75	4.39	3.70	3.52	1.20	.70	.99	.91	1.55	1.66	2.54	3.35	3.87
1975/76	7.49	8.59	9.97	8.35	3.35	2.15	2.39	3.55	2.54	2.23	2.63	3.22
1976/77	1.56	.73	1.75	1.59	1.59	1.92	2.03	2.03	2.15	.92	1.28	1.36
1977/78	4.28	4.83	3.40	1.08	.85	.56	.40	.41	.93	1.90	5.72	11.55
1978/79	12.10	6.59	4.76	2.17	1.79	1.99	1.82	2.38	3.13	5.12	8.32	17.62
1979/80	23.94	12.58	10.89	6.61	3.91	1.91	1.71	2.35	2.61	3.07	4.03	9.34
1980/81	8.99	5.74	4.13	2.37	1.15	.62	.22	.40	.66	1.00	1.88	6.89
1981/82	7.30	6.69	.51	.76	.48	.75	1.53	.26	1.19	2.57	2.95	7.47
1982/83	6.50	6.03	1.64	1.07	.35	.68	.82	.41	.89	.55	2.67	7.27
1983/84	6.66	6.20	4.19	1.08	.31	.44	.60	.15	1.36	5.33	11.69	11.30
1984/85	12.11	8.95	3.35	1.52	2.27	1.75	1.09	1.06	1.59	4.16	7.47	12.09
1985/86	22.09	23.60	23.90	10.52	7.48	6.59	4.39	4.06	4.43	4.65	7.78	8.92
1986/87	4.06	1.41	3.19	2.48	1.86	1.68	2.09	2.57	3.09	4.76	8.58	10.76
1987/88	12.26	9.26	8.79	5.49	3.09	1.62	2.27	5.91	6.56	8.04	12.09	13.42
1988/89	15.76	10.29	8.44	5.30	3.92	3.74	4.08	5.24	7.20	11.32	14.66	15.17
1989/90	15.23	17.80	13.47	9.87	7.48	7.99	8.84	9.68	10.14	10.59	12.17	11.94

Source: National Agricultural Statistics Service, USDA.

Table 66--Fresh lemons: Supply and utilization, 1969/70 to date

Season 1/	Supply			Utilization				Consumption Pounds
	Fresh utilization	Imports	Total supply	Exports	Shipments	Total		
--Million pounds--								
1969/70	702.0	0.0	702.0	282.8	0.5	418.7		2.04
1970/71	736.0	.0	736.0	270.2	.6	465.2		2.24
1971/72	732.0	.0	732.0	340.5	.6	390.9		1.86
1972/73	834.0	.1	834.1	424.5	.8	408.8		1.93
1973/74	846.0	.0	846.0	416.6	1.4	428.0		2.00
1974/75	876.0	.0	876.0	454.4	.3	421.3		1.95
1975/76	832.0	.0	832.0	418.4	.4	413.2		1.90
1976/77	994.0	.4	994.4	531.3	1.4	461.7		2.10
1977/78	926.0	.7	926.7	454.9	.4	471.4		2.12
1978/79	910.0	.3	910.3	465.1	1.4	443.8		1.97
1979/80	814.0	.6	814.6	370.2	.6	443.8		1.95
1980/81	866.0	.1	866.1	393.6	.3	472.2		2.05
1981/82	802.0	3.9	805.9	314.1	.5	491.3		2.11
1982/83	872.0	8.7	880.7	323.2	.7	556.8		2.37
1983/84	856.0	7.1	863.1	337.2	.3	525.6		2.22
1984/85	882.0	10.5	892.5	328.6	1.0	562.9		2.35
1985/86	866.0	32.3	898.3	266.3	.1	631.9		2.62
1986/87	938.0	21.5	959.5	332.7	.0	626.8		2.57
1987/88	918.0	12.2	930.2	306.9	N.A.	623.3		2.53
1988/89	932.0	12.9	944.9	335.3	N.A.	609.6		2.45

N.A. = Not available.

1/ Season beginning August.

Source: Commodity Economics Division, ERS, USDA.

Table 67--Limes: Acreage, yield per acre, production, utilization, season-average grower price, and value, Florida, 1969/70 to date

Season 1/	Bearing acreage	Yield per acre	Utilization of production			Grower price 3/	Value
			Total 2/	Fresh	Processed		
	1,000 acres	Tons	-- 1,000 short tons --			Dollars/ ton	1,000 dollars
1969/70	3.9	8.18	32	16	15	4.11	2,983
1970/71	4.3	9.00	39	17	21	3.10	2,725
1971/72	4.5	10.76	48	21	28	3.89	4,279
1972/73	4.5	10.76	48	23	26	4.25	4,670
1973/74	4.4	10.50	46	21	25	5.10	5,351
1974/75	4.4	11.00	48	22	27	5.35	5,889
1975/76	4.4	10.80	48	26	22	6.70	7,235
1976/77	4.5	9.78	44	23	21	8.60	8,596
1977/78	3.8	5.33	20	15	5	15.72	7,229
1978/79	4.1	7.73	32	21	11	12.44	8,948
1979/80	4.7	10.30	48	27	21	8.18	8,996
1980/81	5.3	9.96	53	31	22	6.58	7,891
1981/82	6.4	9.06	58	28	30	7.88	16,170
1982/83	7.3	10.25	75	43	32	8.39	22,255
1983/84	7.0	9.05	63	36	27	7.46	17,506
1984/85	6.7	10.77	72	45	27	7.27	19,901
1985/86	6.8	11.16	76	39	37	7.94	21,901
1986/87	6.7	9.40	63	37	26	8.57	19,569
1987/88	7.0	8.17	57	38	19	12.69	23,314
1988/89	6.6	8.33	55	42	13	11.29	21,474

1/ Season beginning April.

2/ Some figures may not add due to rounding.

3/ Equivalent on-tree price.

Source: National Agricultural Statistics Service, USDA.

Table 68--Oranges: Bearing acreage and yield per acre, by States, 1969/70 to date

Season 1/	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Yield per acre								
	1,000 acres	Tons								
1969/70	636.1	9.74	160.2	9.13	35.0	5.40	15.5	11.23	846.8	9.47
1970/71	660.5	9.70	167.9	8.37	40.5	6.49	18.1	7.40	887.0	9.25
1971/72	624.2	9.88	180.4	9.02	42.5	6.14	19.5	9.44	866.6	9.50
1972/73	619.6	12.33	188.8	8.36	35.0	9.49	24.5	7.76	867.9	11.22
1973/74	614.6	12.14	196.0	7.73	32.5	8.65	24.4	5.25	867.5	10.82
1974/75	610.4	12.78	196.9	10.48	30.9	6.25	24.1	7.72	862.3	11.88
1975/76	596.4	13.67	197.7	10.02	30.9	8.38	23.0	4.35	848.0	12.37
1976/77	594.3	14.14	192.5	8.83	28.2	10.39	21.0	7.05	836.0	12.61
1977/78	579.0	13.04	188.6	8.48	28.4	9.15	16.8	8.10	812.8	11.74
1978/79	571.5	12.91	187.1	7.48	27.8	9.78	14.8	7.36	801.2	11.43
1979/80	576.6	16.13	185.7	12.00	28.0	6.11	15.7	8.34	806.0	14.68
1980/81	573.4	13.53	182.7	13.39	25.3	7.27	13.2	7.42	794.6	13.20
1981/82	560.2	10.11	180.2	8.72	23.7	10.63	13.6	8.46	777.7	9.77
1982/83	536.8	11.70	177.4	16.09	24.0	10.04	12.6	11.27	750.8	12.68
1983/84	474.2	11.08	177.1	10.27	24.3	4.40	12.6	5.16	688.2	10.52
1984/85	420.1	11.13	175.3	11.22	11.4	2	10.9	7.06	617.7	10.88
1985/86	367.6	14.59	174.6	11.58	8.3	1.69	11.0	6.91	561.5	13.31
1986/87	375.4	14.35	172.9	12.56	10.3	3.59	10.9	9.27	569.5	13.52
1987/88	380.2	16.33	172.6	12.82	11.9	5.13	10.6	6.42	575.3	14.86
1988/89	388.7	16.97	171.8	12.83	12.7	6.22	10.4	6.15	583.6	15.33

1/ Season beginning November--Arizona and California, and October--Florida and Texas.

2/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Sources: Florida Agricultural Statistics and National Agricultural Statistics Service, USDA.

Table 69--Oranges: Production by States, 1969/70 to date

Season 1/	Florida	California	Texas	Arizona	United States 1/
--1,000 short tons--					
1969/70	6,197	1,463	189	174	8,023
1970/71	6,402	1,406	263	134	8,205
1971/72	6,165	1,627	261	184	8,237
1972/73	7,636	1,579	332	190	9,737
1973/74	7,461	1,516	281	128	9,386
1974/75	7,799	2,063	193	186	10,241
1975/76	8,154	1,980	259	100	10,493
1976/77	8,406	1,699	293	148	10,546
1977/78	7,551	1,599	260	136	9,546
1978/79	7,380	1,399	272	109	9,160
1979/80	9,302	2,228	171	131	11,832
1980/81	7,758	2,447	184	98	10,487
1981/82	5,661	1,572	252	115	7,600
1982/83	6,282	2,854	241	142	9,519
1983/84	5,252	1,819	107	65	7,243
1984/85	4,676	1,966	2/	77	6,719
1985/86	5,364	2,022	14	76	7,476
1986/87	5,387	2,172	37	101	7,697
1987/88	6,209	2,213	61	68	8,551
1988/89	6,598	2,205	79	64	8,946

1/ Season beginning November-Arizona and California, and October-Florida and Texas.

2/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 70--Oranges: Utilization of production, by States, 1969/70 to date

Season 1/	Florida		California		Arizona		Texas		United States 2/	
	Fresh	Processed	Fresh	Processed	Fresh	Processed	Fresh	Processed	Fresh	Processed
--1,000 short tons--										
1969/70	597	5,600	994	469	90	83	108	81	1,789	6,233
1970/71	628	5,775	949	439	49	84	142	138	1,768	6,436
1971/72	505	5,660	1,028	599	76	108	117	145	1,727	6,511
1972/73	550	7,086	904	675	108	82	136	195	1,698	8,039
1973/74	499	6,962	1,099	416	79	49	102	179	1,778	7,606
1974/75	603	7,196	1,335	728	111	76	102	91	2,151	8,090
1975/76	528	7,626	1,283	698	46	54	131	128	1,987	8,506
1976/77	400	8,006	1,221	477	87	62	145	148	1,852	8,694
1977/78	448	7,103	1,080	518	99	37	135	125	1,762	7,781
1978/79	527	6,853	930	469	62	47	89	183	1,607	7,552
1979/80	495	8,807	1,481	747	83	49	88	83	2,146	9,686
1980/81	372	7,386	1,411	1,036	63	35	121	63	1,968	8,519
1981/82	343	5,318	1,253	319	80	35	141	111	1,816	5,783
1982/83	464	5,818	1,622	1,232	95	47	142	99	2,324	7,196
1983/84	344	4,908	1,408	411	54	11	59	48	1,865	5,376
1984/85	299	4,376	1,515	450	60	17	3/	3/	1,875	4,843
1985/86	403	4,961	1,635	386	62	14	12	1	2,112	5,362
1986/87	399	4,987	1,564	608	74	28	33	4	2,070	5,626
1987/88	428	5,782	1,549	664	53	15	54	7	2,085	6,467
1988/89	381	6,216	1,478	660	46	18	66	12	1,970	6,907

1/ Season beginning November-Arizona and California, and October-Florida and Texas.

2/ Some figures may not add due to rounding.

3/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Source: National Agricultural Statistics Service, USDA.

Table 71-All oranges: Equivalent on-tree returns, by States, 1969/70 to date

Season 1/	Florida			California			Texas			United States		
	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All	Fresh	Processing	All
1969/70	1.46	1.11	1.14	2.97	0.20	2.08	1.21	0.60	0.95	2.58	0.01	1.34
1970/71	1.81	1.12	1.46	3.33	.09	2.31	1.98	.55	.77	3.52	.32	2.69
1971/72	2.50	2.01	2.04	2.82	.10	1.82	1.71	1.40	1.54	2.75	.34	2.67
1972/73	1.85	1.56	1.54	4.00	.02	2.30	1.34	.99	1.13	2.73	.35	2.27
1973/74	2.10	1.53	1.47	3.81	.35	2.67	1.28	1.04	1.13	2.73	.07	1.66
1974/75	2.25	1.58	1.62	3.50	.51	1.07	1.87	1.00	1.46	3.04	.28	1.49
1975/76	1.77	1.74	1.77	3.00	.42	1.79	1.61	1.28	1.45	3.04	.04	1.30
1976/77	2.20	2.17	2.17	3.76	.17	2.52	2.06	1.72	2.66	2.66	.42	2.74
1977/78	4.85	4.09	4.14	6.72	.25	4.63	3.33	3.41	3.38	5.38	.57	4.07
1978/79	5.36	4.61	4.66	7.55	.36	5.14	3.88	3.09	3.35	6.68	.95	4.19
1979/80	4.16	3.70	3.72	3.74	.10	2.45	4.67	3.29	4.00	2.63	.17	1.71
1980/81	5.79	5.19	5.96	4.04	5.46	.28	3.03	4.13	3.07	3.76	.71	2.41
1981/82	6.51	4.14	5.14	4.28	9.10	.59	7.13	4.01	3.28	3.69	.71	3.30
1982/83	5.94	5.08	5.15	4.37	4.16	.42	4.42	4.16	3.65	4.52	.05	4.31
1983/84	7.75	5.61	5.75	8.73	.90	6.55	3.99	2.70	3.41	7.44	.12	6.22
1984/85	11.11	6.83	7.10	10.01	1.23	8.00	3.23	3.00	3.50	7.50	.13	10.17
1985/86	5.33	3.83	3.94	6.60	1.64	5.06	9.23	4.00	8.89	6.67	.49	5.12
1986/87	6.18	5.14	5.22	8.50	-1.03	5.83	7.69	2.47	7.15	6.45	.59	4.52
1987/88	7.96	7.56	7.58	8.36	.15	6.03	8.13	2.27	7.53	8.45	.40	6.78
1988/89 2/	7.58	7.26	7.28	8.36	.21	5.71	6.92	3.67	6.40	9.40	.13	7.18
												6.51
												6.89

1/ Season beginning November-December and Texas

2/ Net content of box varies. Approximated averages are as follows (pounds): Florida-90, California and Arizona-75, and Texas-85.

3/ Due to the severe freeze of December 1983, no commercial supplies were harvested.

Sources: Florida Agricultural Statistics Service and National Agricultural Statistics Service, USDA.

Table 72-All oranges: Monthly equivalent on-tree returns received by growers, Arizona, 1969/70 to date

Season	Arizona											
	November	December	January	February	March	April	May	June	July	August	September	October
1969/70	2.62	1.79	1.25	1.03	1.02	1.22	1.37	1.52	1.68	1.68	1.68	1.68
1970/71	5.53	3.05	1.49	0.80	1.13	.97	.77	1.08	1.76	1.76	1.76	1.76
1971/72	5.56	3.48	1.08	.22	.88	.93	.85	.93	.91	.91	.91	.91
1972/73	2.03	2.12	2.78	2.21	2.09	2.56	2.39	1.65	1.67	1.67	1.67	1.67
1973/74	---	2.74	2.23	2.89	1.13	1.15	1.76	1.54	1.00	1.00	1.00	1.00
1974/75	5.73	2.76	1.82	1.17	1.42	.95	1.34	1.32	.92	.92	.92	.92
1975/76	6.12	4.21	1.73	.66	.42	.38	.45	.38	.11	.44	.13	.13
1976/77	5.29	3.59	1.78	2.06	.72	.31	1.03	1.35	1.35	1.35	1.35	1.35
1977/78	7.45	5.38	4.89	4.21	.98	3.22	3.99	4.51	4.24	4.24	4.24	4.24
1978/79	9.90	5.78	3.63	3.16	3.10	3.59	3.19	2.07	1.56	1.56	1.56	1.56
1979/80	7.73	3.72	1.56	1.59	1.37	.75	1.00	1.55	.25	.25	.25	.25
1980/81	6.99	4.66	2.39	1.48	1.27	.72	1.40	5.66	5.02	5.02	5.02	5.02
1981/82	3.40	4.40	4.96	4.25	3.42	4.22	5.97	6.61	5.56	5.56	5.56	5.56
1982/83	9.43	6.71	3.94	2.58	1.05	1.02	1.85	2.12	1.70	1.70	1.70	1.70
1983/84	6.92	5.50	6.31	4.96	4.34	6.38	9.78	5.72	5.72	5.72	5.72	5.72
1984/85	10.85	10.92	10.11	9.34	6.70	6.33	7.38	4.31	4.82	4.82	4.82	4.82
1985/86	9.75	7.80	5.16	3.33	5.03	4.42	3.64	2.96	2.96	2.96	2.96	2.96
1986/87	8.60	5.91	4.09	2.74	3.03	3.28	4.05	3.37	2.22	2.22	2.22	2.22
1987/88	11.40	7.40	6.60	5.67	5.36	5.92	5.35	1.12	1.80	1.80	1.80	1.80
1988/89	13.19	10.66	6.45	5.89	7.94	4.50	4.45	6.56	6.40	6.40	6.40	6.40
1989/90	12.43	17.00	7.05	6.64	6.77	3.23	4.33	5.21	2.33	2.33	2.33	2.33

1/ Insufficient marketing to establish price.

1/ Net content of box is 75 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 73--All oranges: Monthly equivalent on-tree returns received by growers, California, 1969/70 to date

Season	--Dollars/box 1/--											
	October	November	December	January	February	March	April	May	June	July	August	September
1969/70	0.89	2.78	2.18	1.70	1.82	2.19	2.16	1.97	2.01	1.90	1.81	2.29
1970/71	3.34	2.79	2.90	2.93	2.70	2.10	1.83	2.37	2.58	1.79	1.82	1.63
1971/72	1.18	3.24	2.98	2.36	2.76	2.70	2.70	1.72	1.56	1.73	1.61	2.55
1972/73	1.63	2.41	2.76	2.70	3.09	3.22	2.23	2.39	1.98	1.58	1.86	2.07
1973/74	2.08	2.73	3.09	2.39	2.66	2.38	2.50	2.21	2.56	2.08	2.06	2.16
1974/75	6.49	3.54	2.66	3.98	2.77	1.99	1.54	2.23	2.23	1.83	1.92	1.66
1975/76	5.69	4.92	4.92	3.98	2.77	2.12	2.36	2.09	1.83	1.30	1.52	1.49
1976/77	1.84	3.28	3.27	2.27	5.92	5.14	3.91	2.88	3.61	3.66	2.12	2.73
1977/78	4.34	7.23	5.23	5.27	7.11	5.75	5.26	4.72	4.14	5.20	7.10	3.18
1978/79	5.69	8.04	8.04	7.11	10.71	10.50	2.51	2.81	1.95	1.83	2.04	4.97
1979/80	5.00	4.91	4.00	2.90								2.24
1980/81	6.65	5.69	4.47	4.47	3.72	3.30	2.50	1.66	1.99	3.18	4.25	3.27
1981/82	6.63	4.37	5.61	6.16	5.83	5.83	5.41	6.02	8.75	8.86	9.84	11.80
1982/83	20.09	8.42	5.18	5.29	2.64	2.57	2.17	1.78	2.03	2.38	2.44	1.50
1983/84	6.53	5.33	4.96	3.61	2.96	3.57	10.02	12.77	12.93	13.26	14.67	15.36
1984/85	14.46	11.26	10.71	10.50	8.80	8.15	8.87	8.41	6.92	6.19	5.49	5.78
1985/86	4.85	6.73	7.86	6.33	5.06	4.83	3.64	4.49	4.09	3.60	3.91	4.59
1986/87	6.26	7.75	6.45	5.78	4.76	4.61	4.20	5.86	6.18	6.05	5.41	7.43
1987/88	10.42	10.69	6.19	6.20	5.05	4.75	5.61	8.84	8.02	6.49	5.44	5.56
1988/89	2.83	5.25	8.13	5.24	4.27	4.55	4.94	6.22	6.00	6.52	5.78	6.01
1989/90	4.77	3.99	6.36	5.64	5.31	4.61	3.68	5.26	5.65	5.19		

1/ Net content of box is 75 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 74--All oranges: Monthly equivalent on-tree returns received by growers, Florida, 1969/70 to date

Season	--Dollars/box 1/--											
	October	November	December	January	February	March	April	May	June	July	August	September
1969/70	1.10	1.11	1.17	1.15	1.20	1.11	1.12	1.12	1.12	1.12	1.12	1.19
1970/71	.97	.99	1.03	1.23	1.62	1.92	1.98	1.97	2.09	2.10	2.22	4.37
1971/72	2.23	1.97	1.92	1.33	1.38	1.43	1.45	1.62	1.62	1.70	2.17	2.55
1972/73	1.32	1.32	1.32	1.30	1.35	1.41	1.41	1.53	1.58	1.71	1.76	
1973/74	1.76	1.78	1.40	1.62	1.41	1.52	1.52	1.79	1.81	1.89	1.61	
1974/75	1.78	1.67	1.66	1.67	1.75	1.83	1.83	1.86	1.86	1.87	1.95	
1975/76	1.66	1.70	1.85	1.88	1.92	2.27	2.61	2.61	2.73	2.79	2.10	2.00
1976/77	1.70	1.85	1.12	3.82	3.81	3.92	4.24	4.26	4.38	4.47	4.48	
1977/78	4.53	4.29	4.36	4.54	4.79	4.81	4.81	4.95	5.09	5.09		
1978/79	4.00	3.54	3.55	3.55	3.70	3.82	3.82	3.94	3.94			
1979/80												
1980/81	4.22	3.76	3.59	3.66	4.19	4.44	4.44	4.96	4.83			
1981/82	4.96	4.49	4.15	4.28	4.06	4.16	4.16	4.40	4.58			
1982/83	5.02	4.84	4.73	4.79	5.09	5.35	5.51	5.63				
1983/84	5.23	4.91	4.91	5.69	6.40	6.73	7.15	7.68				
1984/85	9.21	7.70	7.16	6.86	6.57	6.79	7.03					
1985/86	4.46	4.16	3.83	3.77	3.52	3.78	4.20					
1986/87	5.01	4.42	4.45	4.83	5.64	5.83	6.05					
1987/88	7.53	6.33	6.46	6.87	8.39	8.41	8.81					
1988/89	6.46	6.12	6.54	6.97	6.77	7.66	8.98					
1989/90	5.93	5.42	4.53	4.81	5.66	6.66	8.50					

--- = Insufficient marketing to establish price.

1/ Net content of box is 90 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 75--All oranges: Monthly equivalent on-tree returns received by growers, Texas, 1969/70 to date

Season	October	November	December	January	February	March	April	May	June	July	August	September
--Dollars/box 1/ --												
1969/70	1.43	0.99	0.88	0.74	0.91	1.06	1.01	1.05	1.14	---	---	1.59
1970/71	1.52	.64	.52	.49	.65	.99	1.06	1.14	1.14	---	---	---
1971/72	1.89	1.31	1.39	1.43	1.87	2.00	1.84	2.20	---	---	---	---
1972/73	1.69	1.19	1.25	1.15	.76	1.15	1.11	1.09	---	---	---	---
1973/74	1.68	1.13	.95	1.12	1.20	1.30	1.26	1.48	---	---	---	---
1974/75	2.49	1.88	1.45	1.20	1.37	1.55	---	---	---	---	---	---
1975/76	1.84	1.42	1.41	1.33	1.41	1.49	1.62	---	---	---	---	---
1976/77	2.19	1.83	1.45	1.14	1.64	2.05	2.63	2.58	2.56	---	---	---
1977/78	2.82	3.45	3.02	3.04	3.53	3.79	4.15	4.13	4.19	---	---	---
1978/79	---	3.66	3.56	3.15	3.08	3.33	---	---	---	---	---	---
1979/80	5.67	4.73	4.46	3.67	3.64	3.35	3.37	---	---	---	---	---

--- = Insufficient marketing to establish price.

1/ Net content of box is 85 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 76--All oranges: Monthly equivalent on-tree returns received by growers, United States, 1969/70 to date

Season	October	November	December	January	February	March	April	May	June	July	August	September
--Dollars/box--												
1969/70	0.94	1.54	1.26	1.23	1.25	1.43	1.27	1.25	1.28	1.89	1.81	2.29
1970/71	1.24	1.67	1.17	1.18	1.38	1.77	1.94	2.06	2.15	1.79	1.82	1.59
1971/72	3.67	2.50	2.08	1.94	1.98	1.91	1.97	1.96	2.02	1.94	1.61	1.71
1972/73	1.80	1.57	1.56	1.57	1.61	1.76	1.73	1.69	1.78	2.06	2.55	1.78
1973/74	2.05	2.02	1.52	1.49	1.62	1.56	1.70	1.72	1.66	1.76	2.14	2.67
1974/75	3.40	2.23	1.59	1.54	1.56	1.65	1.84	1.80	1.88	1.77	1.63	1.92
1975/76	2.00	2.17	1.89	1.77	1.76	1.73	1.67	1.71	1.73	1.69	1.48	1.89
1976/77	1.86	2.22	2.07	1.87	1.96	2.22	2.41	2.43	2.63	2.10	2.72	3.18
1977/78	2.97	4.88	3.98	4.05	4.08	4.15	3.93	4.26	4.31	4.30	5.38	6.25
1978/79	16.60	5.20	4.58	4.41	4.56	4.71	4.65	4.95	5.30	4.96	3.99	3.95
1979/80	4.34	4.32	3.62	3.47	3.41	3.47	3.33	3.48	3.48	2.69	2.23	2.39

Source: National Agricultural Statistics Service, USDA.

Table 77--Fresh oranges: Supply and utilization, 1969/70 to date

Season 1/	Fresh utilization 2/	Supply			Utilization				Consumption	
		Imports	Total supply	Exports	Shipments	Total	Per capita			
							--Million pounds--	Pounds		
1969/70	3,836.0	58.0	3,894.0	569.2	10.7	3,314.1	16.16			
1970/71	3,734.0	62.6	3,796.6	522.1	9.3	3,265.2	15.72			
1971/72	3,612.0	84.6	3,696.6	642.7	15.2	3,038.7	14.48			
1972/73	3,616.0	61.8	3,677.8	600.0	18.0	3,059.8	14.44			
1973/74	3,732.0	53.9	3,785.9	688.1	13.3	3,084.5	14.42			
1974/75	4,474.0	27.3	4,501.3	1,055.8	15.6	3,429.9	15.88			
1975/76	4,182.0	20.5	4,202.5	970.4	17.2	3,214.9	14.74			
1976/77	3,814.0	35.0	3,849.0	876.9	11.9	2,960.2	13.44			
1977/78	3,714.0	26.6	3,740.6	737.8	8.9	2,993.9	13.45			
1978/79	3,408.0	78.4	3,486.4	636.3	12.3	2,837.8	12.61			
1979/80	4,542.0	22.2	4,564.2	947.9	8.8	3,607.5	15.84			
1980/81	4,034.0	18.2	4,052.2	921.3	6.8	3,124.1	13.57			
1981/82	3,710.0	29.4	3,739.4	780.6	4.0	2,954.8	12.71			
1982/83	4,786.0	13.4	4,799.4	1,016.5	7.1	3,775.8	16.08			
1983/84	3,802.0	38.5	3,840.5	810.5	2.5	3,027.5	12.77			
1984/85	3,808.0	27.5	3,835.5	898.3	1.0	2,936.2	12.27			
1985/86	4,306.0	62.1	4,368.1	869.2	1.9	3,497.0	14.47			
1986/87	4,234.0	44.4	4,278.4	874.2	1.5	3,402.7	13.95			
1987/88	4,490.0	49.6	4,539.6	738.0	.0	3,801.6	15.43			
1988/89	4,018.0	17.2	4,035.2	903.7	.0	3,131.5	12.59			

N.A. = Not available.

1/ Season beginning November.

2/ Includes temples.

Source: Commodity Economics Division, ERS, USDA.

Table 78--Oranges processed, Florida, 1969/70 to date 1/

Season	Frozen concen- trates	Chilled products			Other processed 2/	Total
		Juices	Sections and salads	Total		
--1,000 boxes 3/--						
1969/70	100,739	18,640	841	19,481	8,206	147,907
1970/71	103,521	19,772	703	20,475	8,834	153,305
1971/72	104,399	19,509	535	20,044	7,726	152,213
1972/73	132,210	20,465	654	21,119	8,949	183,397
1973/74	132,469	20,405	605	21,010	7,518	182,007
1974/75	135,512	22,777	526	23,303	7,580	189,698
1975/76	144,526	23,992	621	24,613	7,580	201,332
1976/77	147,772	27,243	378	27,621	8,812	211,826
1977/78	130,929	25,379	382	25,761	8,077	190,528
1978/79	129,123	22,793	315	23,108	6,525	181,864
1979/80	173,229	24,430	309	24,739	6,957	229,664
1980/81	144,322	19,640	227	19,867	6,353	190,409
1981/82	105,150	--	--	16,518	4,473	126,141
1982/83	114,627	--	--	18,254	2,665	135,546
1983/84	94,547	--	--	16,981	2,909	114,437
1984/85	86,112	--	--	14,903	1,907	102,922
1985/86	96,061	--	--	17,267	1,361	114,689
1986/87	96,182	--	--	19,661	948	116,791
1987/88	110,206	--	--	23,325	904	134,435
1988/89	113,732	--	--	29,936	1,141	144,809

-- Series no longer reported separately.

1/ Includes tangelos, temples, tangerines, and K-eary citrus.

2/ Includes cannery juice, blend, and sections and salads.

3/ Net box weight is 90 pounds.

Source: National Agricultural Statistics Service, USDA.

Table 79--Frozen concentrated orange juice: Canners' stocks, pack, supplies, and movement, Florida, 1969/70 to date

Season 1/	Carryin	Pack 2/	Supply	Movement	Ending inventory
1969/70	18.9	137.2	156.1	131.6	24.5
1970/71	24.5	145.2	169.7	139.6	30.1
1971/72	30.1	158.4	188.5	137.1	51.4
1972/73	51.4	195.6	247.0	194.0	53.0
1973/74	53.0	191.6	244.5	194.1	50.5
1974/75	50.5	200.8	251.2	196.2	55.0
1975/76	55.0	220.9	276.0	217.8	58.2
1976/77	58.2	197.4	255.6	227.9	27.7
1977/78	27.7	217.6	245.3	211.7	33.6
1978/79	33.6	235.0	268.6	228.0	40.6
1979/80	40.6	278.5	319.1	259.5	59.6
1980/81	59.6	259.5	319.1	250.1	69.0
1981/82	69.0	214.9	283.9	230.5	53.4
1982/83	53.4	228.4	281.8	239.0	42.8
1983/84	42.8	239.9	282.7	228.3	54.4
1984/85	54.4	209.6	264.0	215.7	48.3
1985/86	48.3	215.1	263.4	226.4	37.0
1986/87	37.0	227.9	264.9	225.1	39.8
1987/88	39.8	240.9	280.7	238.5	42.2
1988/89	42.1	239.1	281.2	235.0	46.2

1/ Season beginning December 1. 2/ Includes frozen concentrated tangerine juice reprocessing in FCOJ, domestic receipts, foreign imports, net loss or gain during reprocessing, Florida product received from non-members, product received by members in fulfillment of futures contracts and chilled OJ used in FCOJ. 3/ 42-degree Brix.

Source: Florida Citrus Processors Association.

Table 80--Chilled orange juice: Canners' stocks, pack, supplies, and movement,
Florida, 1969/70 to date 1/

Season 2/	Carryin	Pack 3/	Supply	Movement	Ending inventory
--1,000 gallons 4/--					
1969/70	12,604	107,940	120,544	106,064	14,480
1970/71	14,480	112,388	126,868	112,090	14,778
1971/72	14,778	116,970	131,748	111,756	19,992
1972/73	19,992	125,683	145,675	127,255	18,420
1973/74	18,420	135,313	153,733	137,347	16,386
1974/75	16,386	154,478	170,864	154,085	16,779
1975/76	16,779	174,804	191,583	173,558	18,025
1976/77	18,025	178,685	196,710	180,903	15,807
1977/78	15,807	184,966	200,773	185,088	15,685
1978/79	15,685	206,184	221,869	206,149	15,720
1979/80	15,721	234,768	250,489	233,775	16,714
1980/81	16,714	209,863	226,577	210,370	16,207
1981/82	15,934	181,000	196,934	182,279	14,655
1982/83	14,656	185,150	199,806	182,287	17,519
1983/84	17,519	273,827	291,346	264,995	26,351

1/ Series no longer reported.

2/ Season beginning October.

3/ Fresh fruit and frozen concentrated juices, but excluding reprocessed single-strength.

4/ Single-strength basis.

Source: Florida Citrus Processors Association.

Table 81--Canned orange juice: Canners' stocks, pack, supplies, and movement,
Florida, 1969/70 to date 1/

Season 2/	Carryin	Pack	Supply	Movement	Ending inventory
--1,000 cases, (24 No. 2's)--					
1969/70	1,991	11,223	13,214	12,101	1,113
1970/71	1,113	11,749	12,862	11,532	1,330
1971/72	1,330	10,942	12,272	10,477	1,795
1972/73	1,795	13,670	15,465	12,578	2,887
1973/74	2,887	10,885	13,772	11,133	2,639
1974/75	2,639	10,737	13,376	11,349	2,027
1975/76	2,027	10,635	12,662	10,746	1,916
1976/77	1,916	10,767	12,683	10,592	2,091
1977/78	2,091	11,654	13,745	11,671	2,074
1978/79	2,074	13,222	15,296	12,678	2,618
1979/80	2,618	13,869	16,487	13,974	2,513
1980/81	2,513	13,012	15,525	13,031	2,494
1981/82	2,494	11,503	13,997	11,953	2,044
1982/83	2,404	9,802	12,206	10,792	1,414
1983/84	1,414	9,084	10,498	9,311	1,187
1984/85	1,187	7,425	8,612	7,723	889
1985/86	889	7,596	8,485	7,498	987
1986/87	987	8,122	9,109	8,084	1,025
1987/88	1,025	7,256	8,281	7,425	856
1988/89	855	8,164	9,019	8,227	792

1/ Single-strength. Beginning 1976/77 includes reconstituted orange juice.

2/ Season beginning October.

Source: Florida Citrus Processors Association.

Commercial Berry Production Short in 1989

Adverse weather affects commercial berry production in Washington and Oregon, two major producing States.

U.S. commercial production of cranberries, strawberries, and bushberries (blackberries, blueberries, boysenberries, loganberries, and raspberries) totaled 866,390 short tons in 1989, down 5 percent from 1988, but 2 percent above 1987. Most of the production shortfall was in Washington and Oregon, where freezing weather and extreme cold conditions late into the spring significantly decreased yields and production of strawberries and some bushberries.

Strawberry Production Down In 1989; Grower Prices Steady

Early season prospects for a record large strawberry crop in 1989 were dashed as adverse weather reduced expectations in several major producing States. While area harvested dropped 3 percent from 1988's 47,150 acres, U.S. production declined 6 percent to 11.1 billion pounds. Because of the smaller harvest and strong fresh market demand for some berries, fresh market utilization accounted for 75 percent of the total crop, 2 percent more than 1988.

Despite the smaller harvest, grower prices did not show much strength for the season, averaging only 1 percent above 1988, at \$46.80 per cwt. The average grower price for fresh market strawberries in 1989 was unchanged from 1988, at \$54.10 per cwt, while the average price for processing strawberries, at \$25.10, was slightly below 1988's \$25.20.

Adverse Weather Reduces Bushberry Production

Late frosts and cool temperatures in Oregon and Washington in the spring of 1989 affected commercial bushberry production in both States. Washington

and Oregon are the largest commercial producers of blackberries, raspberries, boysenberries, and loganberries. In 1989, blackberry production in Washington and Oregon totaled 23.92 million pounds, down 31 percent from 1988 due to reduced acreage harvested in both States, and significantly lower yields in Oregon. Oregon boysenberry and loganberry production was off 45 percent from 1988, at 3.75 million pounds, with the processing market affected the most.

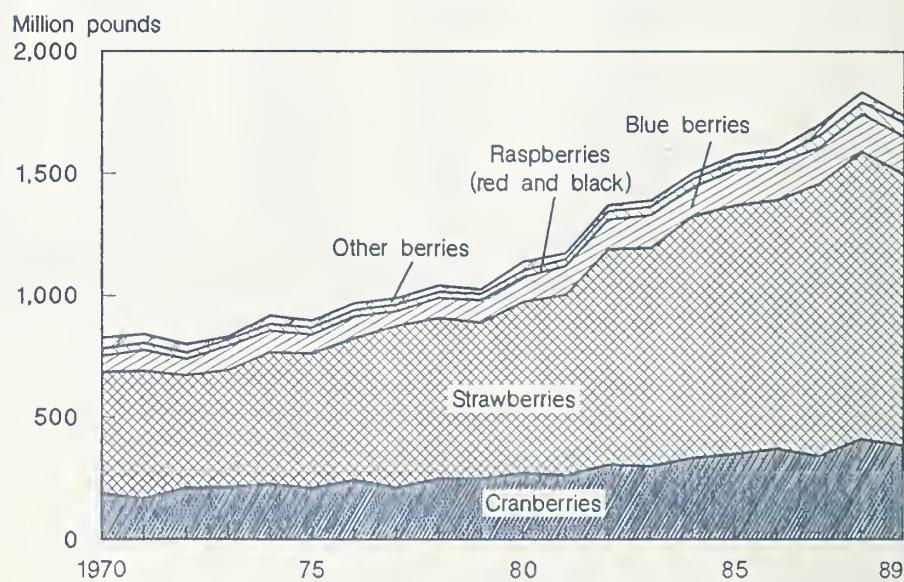
Despite the poor spring weather conditions, production of black and red raspberries in Washington and Oregon reached a record 56.68 million pounds, up 18 percent from 1988. Although production was larger and volume was heavier in both fresh and processing markets, average grower prices in Washington and Oregon for fresh and processing raspberries remained firmly above 1988.

U.S. Blueberry Production Up Slightly In 1989

Commercial blueberry production in six major producing States—Maine, Michigan, New Jersey, North Carolina, Oregon, and Washington—reached 154.42 million pounds in 1989, up 1 percent from 1988. In Maine, the largest producer, wild blueberry production declined 49 percent from 1988's 52.34 million pounds, significantly reducing the total supply of wild blueberries available for processing. About 95 percent of Maine's blueberry production is frozen because commercial harvesting of wild blueberries for the fresh market is too labor-intensive to be economically viable.

Considerably larger production of cultivated blueberries in Michigan and New Jersey boosted 1989 fresh market and processing use in both States. In Michigan, production hit a record 60.10 million pounds, up 28 percent from 1988. Similarly, production in New

Figure 5
U.S. Commercial Utilized Production of Berries



Jersey reached a record 40.0 million pounds, up 54 percent.

In Michigan, where cultivated blueberries are grown primarily for processing,

a larger share of the 1989 crop went to the fresh market. Conversely, in New Jersey, where a larger share of production traditionally is sold in the fresh market, processors took a bigger share

of the larger 1989 crop. Processing accounted for 70 and 42 percent of utilized blueberry production in Michigan and New Jersey, respectively.

Table 82--Cranberries: Acreage harvested, yield per acre, production, utilization, season-average grower price, and value, United States, 1970 to date

Year	Acreage harvested	Yield per acre	Production 1/		Utilization			Price 3/	Value
			Total	Utilized	Fresh	Processed	Shrinkage 2/		
	Acres		--1,000 barrels 4/--					Dollars/barrel	1,000 dollars
1970	21,745	93.7	2,036.6	1,844.6	367.0	1,400.0	77.6	10.70	19,675
1971	22,410	101.1	2,264.8	1,639.8	401.0	1,158.8	80.0	10.70	17,599
1972	22,590	92.0	2,078.0	2,078.0	321.5	1,567.1	189.4	12.50	26,021
1973	23,100	90.9	2,100.3	2,100.3	398.5	1,407.2	231.6	13.50	28,384
1974	23,400	95.6	2,236.0	2,236.0	317.5	1,486.7	431.8	11.00	24,715
1975	23,300	89.1	2,075.1	2,075.1	310.9	1,444.2	320.0	13.10	27,112
1976	23,080	104.3	2,407.3	2,407.3	407.0	1,755.5	244.8	13.50	32,454
1977	22,540	93.3	2,102.2	2,102.2	405.5	1,454.0	242.7	18.10	38,154
1978	23,120	106.3	2,458.5	2,458.5	404.0	1,917.7	136.8	21.50	52,903
1979	23,200	106.7	2,475.5	2,475.5	302.0	2,067.0	106.5	26.70	66,039
1980	23,190	116.3	2,697.5	2,697.5	326.1	2,259.6	111.8	33.20	89,462
1981	23,150	112.0	2,593.0	2,593.0	479.6	1,977.1	136.3	41.50	107,494
1982	23,350	130.1	3,039.0	3,039.0	496.1	2,380.8	164.1	40.20	122,297
1983	24,050	124.2	2,986.0	2,986.0	321.3	2,588.3	76.4	44.80	133,830
1984	24,620	134.9	3,322.0	3,322.0	297.8	2,940.5	83.7	46.70	155,081
1985	25,700	135.6	3,485.0	3,485.0	313.8	3,093.2	78.0	46.30	161,439
1986	26,300	140.3	3,690.0	3,690.0	342.2	3,201.4	146.4	44.70	165,086
1987	26,700	127.0	3,391.0	3,391.0	304.3	3,030.0	56.7	44.50	150,906
1988	27,300	149.5	4,080.0	4,080.0	274.2	3,738.8	67.0	45.70	186,340
1989	27,000	142.1	3,836.0	3,836.0	6/	6/	6/	6/	5/ 175,256

1/ Differences between total and utilized production are cranberries that were put in set-aside under the Cranberry Market Order. Cranberries put in set-aside, but sold for exports are included in utilized production. 2/ Cranberries paid for by processors and lost because of dehydration and berry breakdown after delivery. 3/ Equivalent returns at first delivery point, screened basis of utilized production. 4/ 1 barrel = 100 pounds. 5/ Season average price for 1989 is not available; 1988 price used to compute 1989 value. 6/ Available August 21, 1990.

Source: National Agricultural Statistics Service, USDA.

Table 83--Blackberries: Commercial acreage, yield per acre, production, and season-average grower price, Oregon and Washington, 1970 to date

State and year	Acreage harvested	Yield per acre	Utilized production	Utilization		Grower price			Value of utilized production
				Fresh	Processed	Fresh	Processed	All	
	Acres	Pounds	-- 1,000 pounds --	-- Cents/pound --				1,000 dollars	
Oregon									
1970	4,300	7,700	33,110	300	32,810	16.9	15.2	15.2	5,033
1971	4,100	6,800	27,880	480	27,400	15.6	11.9	12.0	3,346
1972	4,000	6,900	27,600	450	27,150	26.7	23.9	23.9	6,596
1973	2,600	3,100	8,060	350	7,710	44.3	51.6	51.3	4,135
1974	4,000	7,000	28,000	200	27,800	26.6	22.3	22.3	6,244
1975	3,000	6,830	20,500	300	20,200	21.0	14.4	14.5	2,973
1976	2,600	8,190	21,300	400	20,900	28.1	29.0	29.0	6,177
1977	2,600	7,000	18,200	400	17,800	56.5	45.3	45.5	8,281
1978	3,000	6,700	20,100	400	19,700	55.5	50.7	50.8	10,211
1979	2,500	5,600	14,000	550	13,450	66.2	58.0	58.3	8,165
1980	3,400	8,470	28,800	400	28,400	41.2	20.1	20.4	5,873
1981	3,000	6,580	18,000	450	17,550	30.5	17.2	17.5	3,150
1982	3,000	6,830	18,600	900	17,700	44.2	23.2	24.2	4,504
1983	3,000	7,000	20,250	200	20,050	49.5	29.1	29.3	5,943
1984	3,100	6,190	19,200	400	18,800	49.8	49.8	49.8	9,558
1985	3,400	7,060	24,000	200	23,800	60.5	57.8	57.8	13,873
1986	3,600	6,390	23,000	200	22,800	67.0	60.9	60.9	14,018
1987	4,900	7,670	37,600	610	36,990	60.7	27.7	28.3	10,629
1988	4,400	7,720	33,950	1,100	32,850	58.1	30.0	30.9	10,498
1989	4,200	5,520	23,200	700	22,500	57.7	37.1	37.7	8,748
Washington									
1970	460	6,900	3,174	50	3,124	21.1	14.1	14.2	464
1971	400	5,500	2,200	51	2,149	16.8	12.0	12.1	266
1972	280	4,700	1,316	11	1,305	30.0	22.8	22.9	301
1973	160	4,100	656	6	650	53.5	47.1	47.2	310
1974	170	7,410	1,260	13	1,247	31.2	19.2	19.3	243
1975	210	7,330	1,540	17	1,523	25.7	13.4	13.5	208
1976	210	6,600	1,386	20	1,366	35.6	28.4	28.5	395
1977	210	5,900	1,239	42	1,197	53.3	40.0	40.5	502
1978	200	5,300	1,060	45	1,015	48.9	52.5	49.1	520
1979	200	2,540	508	21	487	50.0	55.4	55.2	280
1980	240	3,500	840	37	803	55.0	14.0	15.8	133
1981	220	3,750	825	250	575	55.0	8.3	22.5	186
1982	160	3,800	608	308	300	44.1	11.0	27.8	169
1983	160	4,250	680	190	490	54.8	20.4	30.0	204
1984	160	5,000	800	200	600	58.0	40.0	44.5	356
1985	150	4,700	705	315	390	62.0	46.0	53.2	375
1986	150	3,800	570	170	400	75.0	41.0	51.1	292
1987	150	5,400	810	260	550	62.0	29.8	40.1	325
1988	150	5,500	825	325	500	74.5	32.0	48.7	402
1989	130	5,500	715	300	415	75.0	25.0	46.0	329

Sources: Oregon Agricultural Statistics, USDA and Oregon Agricultural Statistics Service, Oregon Dept. of Agriculture; Washington Agricultural Statistics, USDA and Washington Agricultural Statistics Service, State of Washington Dept. of Agriculture; National Agricultural Statistics Service, NASS, USDA, various years.

Table 84--Blueberries: Commercial acreage, yield per acre, production, and season-average grower price, by State, 1970 to date

State and year	Acreage harvested	Yield per acre ^a	Utilized production	Utilization		Grower price			Value of utilized production		
				Fresh	Processed	Fresh	Processed	All			
Acres	Pounds	-- 1,000 pounds --		-- Cents/pound --			1,000 dollars				
Maine											
1970	N.A.	N.A.	9,167	0	9,167	0.0	20.0	20.0	1,833		
1971	N.A.	N.A.	19,154	0	19,154	0.0	16.3	16.3	3,122		
1972	N.A.	N.A.	16,928	0	16,928	0.0	22.2	22.2	3,758		
1973	N.A.	N.A.	22,096	0	22,096	0.0	26.9	26.9	5,944		
1974	N.A.	N.A.	18,566	0	18,566	0.0	18.5	18.5	3,435		
1975	N.A.	N.A.	11,910	0	11,910	0.0	26.5	26.5	3,156		
1976	N.A.	N.A.	24,908	0	24,908	0.0	31.0	31.0	7,721		
1977	N.A.	N.A.	14,369	0	14,369	0.0	60.6	60.6	8,708		
1978	14,800	1,220	18,053	0	18,053	0.0	51.0	51.0	9,231		
1979	14,800	1,190	17,575	0	17,575	0.0	36.0	36.0	6,336		
1980	14,800	1,430	21,190	0	21,190	0.0	38.0	38.0	8,056		
1981	17,300	1,260	21,747	0	21,747	0.0	42.3	42.3	9,156		
1982	N.A.	N.A.	35,925	0	35,925	0.0	52.0	52.0	18,681		
1983	N.A.	N.A.	44,700	0	44,700	0.0	37.0	37.0	16,539		
1984	N.A.	N.A.	24,680	0	24,680	0.0	25.0	25.0	6,170		
1985	N.A.	N.A.	43,730	0	43,730	0.0	23.0	23.0	10,058		
1986	N.A.	N.A.	40,169	0	40,169	0.0	31.0	31.0	12,452		
1987	N.A.	N.A.	36,300	0	36,300	0.0	45.0	45.0	16,335		
1988	N.A.	N.A.	52,344	0	52,344	0.0	45.0	45.0	23,555		
1989	N.A.	N.A.	26,800	0	26,800	0.0	50.0	50.0	13,400		
Michigan											
1970	N.A.	N.A.	26,137	8,053	N.A.	N.A.	20.0	N.A.	N.A.		
1971	N.A.	N.A.	33,779	7,578	N.A.	N.A.	23.0	N.A.	N.A.		
1972	N.A.	N.A.	17,261	2,550	N.A.	N.A.	33.0	N.A.	N.A.		
1973	N.A.	N.A.	38,560	4,943	N.A.	N.A.	34.0	N.A.	N.A.		
1974	N.A.	N.A.	33,100	12,043	N.A.	N.A.	28.0	N.A.	N.A.		
1975	N.A.	N.A.	29,415	8,840	N.A.	N.A.	28.0	N.A.	N.A.		
1976	9,700	N.A.	31,325	8,130	N.A.	N.A.	41.6	N.A.	N.A.		
1977	N.A.	N.A.	11,800	4,699	N.A.	N.A.	70.0	N.A.	N.A.		
1978	9,000	3,000	27,000	12,500	14,500	64.4	67.4	66.0	17,820		
1979	9,500	3,790	36,000	10,800	25,200	55.4	40.4	44.9	16,164		
1980	9,400	4,360	41,000	14,500	26,500	56.5	31.0	40.0	16,408		
1981	9,800	5,310	52,000	14,000	38,000	67.9	44.9	51.1	26,568		
1982	N.A.	N.A.	41,400	14,200	27,200	N.A.	68.0	N.A.	N.A.		
1983	12,000	N.A.	49,148	13,425	35,723	N.A.	53.0	N.A.	N.A.		
1984	N.A.	N.A.	46,666	20,484	26,182	N.A.	36.0	N.A.	N.A.		
1985	N.A.	N.A.	50,200	19,100	31,100	N.A.	42.0	N.A.	N.A.		
1986	15,000	N.A.	57,000	16,800	40,200	N.A.	51.0	N.A.	N.A.		
1987	N.A.	N.A.	56,100	15,500	40,600	N.A.	53.0	N.A.	N.A.		
1988	N.A.	N.A.	43,384	11,500	31,900	N.A.	85.0	N.A.	N.A.		
1989	16,000	N.A.	60,100	18,300	41,800	N.A.	52.0	N.A.	N.A.		
New Jersey											
1970	7,300	2,366	17,270	15,070	2,200	32.3	20.9	N.A.	N.A.		
1971	7,200	3,135	22,572	17,127	5,445	32.7	22.7	N.A.	N.A.		
1972	7,200	2,860	20,592	11,902	8,690	39.1	31.8	N.A.	N.A.		
1973	7,300	3,410	24,893	13,013	11,880	44.1	32.7	N.A.	N.A.		
1974	7,500	3,520	26,400	16,610	9,790	40.0	27.3	N.A.	N.A.		
1975	7,700	2,970	22,869	16,214	6,655	44.5	23.6	N.A.	N.A.		
1976	7,600	3,465	26,334	16,599	9,735	49.1	39.0	N.A.	N.A.		
1977	7,700	2,970	22,869	10,879	11,990	63.6	54.5	N.A.	N.A.		
1978	7,800	2,860	22,308	11,418	10,890	75.0	63.6	69.4	15,482		
1979	7,800	3,000	23,397	17,402	6,000	64.0	44.5	59.0	13,806		
1980	8,100	3,210	25,993	19,998	6,000	69.0	34.5	61.0	15,870		
1981	7,800	3,590	28,000	20,700	7,300	71.3	47.0	65.0	18,201		
1982	7,500	4,000	30,000	22,000	8,000	76.0	59.0	71.2	21,360		
1983	7,800	2,949	23,000	18,000	5,000	82.0	70.0	79.4	18,260		
1984	7,900	3,797	30,000	24,140	4,860	69.0	35.0	62.0	17,980		
1985	7,700	5,195	40,000	31,000	9,000	80.0	42.0	75.6	25,688		
1986	7,900	5,063	40,000	28,000	12,000	84.4	49.0	77.4	23,216		
1987	7,500	3,733	28,000	22,000	6,000	90.0	52.0	N.A.	N.A.		
1988	7,700	3,377	26,000	18,000	8,000	110.0	82.0	N.A.	N.A.		
1989	7,800	5,128	40,000	23,000	17,000	93.2	50.0	N.A.	N.A.		

See footnotes at end of table.

--Continued

Table 84--Blueberries: Commercial acreage, yield per acre, production, and season-average grower price, by State, 1970 to date--Continued

State and year	Acreage harvested	Yield per acre	Utilized production	Utilization		Grower price			Value of utilized production		
				Fresh	Processed	Fresh	Processed	All			
Acres	Pounds	-- 1,000 pounds --		-- Cents/pound --		1,000 dollars		1,000 dollars			
North Carolina											
1970	N.A.	N.A.	8,900	8,700	200	N.A.	N.A.	N.A.	N.A.		
1971	N.A.	N.A.	8,184	7,984	200	N.A.	N.A.	N.A.	N.A.		
1972	N.A.	N.A.	8,180	6,259	1,921	39.1	27.5	N.A.	N.A.		
1973	N.A.	N.A.	7,348	5,126	2,222	38.6	28.0	N.A.	N.A.		
1974	N.A.	N.A.	5,698	4,400	1,210	41.8	29.5	N.A.	N.A.		
1975	N.A.	N.A.	7,513	5,984	1,529	45.9	24.5	N.A.	N.A.		
1976	4,200	N.A.	1,496	1,287	209	67.3	38.0	N.A.	N.A.		
1977	N.A.	N.A.	5,610	4,010	1,600	58.2	41.8	N.A.	N.A.		
1978	3,400	2,310	7,850	3,825	4,025	71.4	46.8	58.8	4,616		
1979	3,300	2,330	7,700	5,130	2,570	71.2	44.0	62.1	4,783		
1980	3,000	1,990	5,970	5,520	450	66.9	41.6	81.8	4,885		
1981	3,200	2,230	7,150	5,880	1,270	84.6	37.0	76.1	5,444		
1982	N.A.	N.A.	4,750	3,610	1,140	98.6	44.0	N.A.	N.A.		
1983	4,000	N.A.	5,100	4,230	870	92.0	49.2	N.A.	N.A.		
1984	N.A.	N.A.	9,410	8,460	950	95.0	30.0	N.A.	N.A.		
1985	N.A.	N.A.	1,700	1,678	22	125.0	28.0	N.A.	N.A.		
1986	4,000	N.A.	5,460	4,860	600	103.0	32.0	N.A.	N.A.		
1987	N.A.	N.A.	11,460	7,370	4,090	122.2	37.5	N.A.	N.A.		
1988	N.A.	N.A.	14,000	9,300	4,700	111.0	44.0	N.A.	N.A.		
1989	4,350	N.A.	10,000	8,000	2,000	N.A.	38.0	N.A.	N.A.		
Oregon											
1970	N.A.	N.A.	710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1971	N.A.	N.A.	879	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1972	N.A.	N.A.	1,300	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1973	N.A.	N.A.	1,063	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1974	N.A.	N.A.	1,300	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1975	N.A.	N.A.	1,200	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1976	275	N.A.	1,600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1977	N.A.	N.A.	1,500	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1978	450	5,000	2,250	750	1,500	64.0	67.0	66.0	1,485		
1979	500	5,800	2,900	1,000	1,900	66.5	46.6	53.5	1,550		
1980	550	5,450	3,000	1,400	1,600	67.2	29.3	47.0	1,410		
1981	580	6,030	3,500	1,900	1,600	72.0	49.9	61.9	2,166		
1982	620	5,650	3,500	2,000	1,500	67.5	69.0	68.1	2,385		
1983	700	7,500	5,250	2,450	2,800	74.0	62.0	67.6	3,549		
1984	750	6,000	4,500	2,300	2,200	67.0	35.0	51.4	2,311		
1985	800	6,500	5,200	2,900	2,300	57.5	52.5	55.3	2,876		
1986	900	6,730	6,057	N.A.	N.A.	N.A.	N.A.	66.7	4,040		
1987	1,200	7,690	9,228	N.A.	N.A.	N.A.	N.A.	60.1	5,550		
1988	1,300	7,860	10,218	N.A.	N.A.	N.A.	N.A.	75.5	7,707		
1989	1,370	8,190	11,220	N.A.	N.A.	N.A.	N.A.	68.7	7,708		
Washington											
1970	670	6,100	4,087	1,146	2,941	26.4	20.7	22.3	911		
1971	650	4,300	2,795	912	1,883	29.0	24.1	25.7	718		
1972	690	5,100	3,519	1,061	2,458	35.6	30.2	31.8	1,119		
1973	800	6,480	5,180	1,450	3,730	36.8	34.1	34.9	1,808		
1974	800	5,100	4,080	1,710	2,370	41.3	28.4	33.8	1,379		
1975	800	5,640	4,512	1,440	3,072	41.8	28.8	32.9	1,484		
1976	800	5,000	4,000	1,090	2,910	45.5	40.6	41.9	1,676		
1977	800	5,120	4,096	642	3,454	56.3	60.3	59.7	2,445		
1978	800	6,030	4,824	928	3,896	68.4	63.1	64.1	3,092		
1979	800	5,990	4,792	1,373	3,419	67.3	49.8	54.8	2,627		
1980	800	6,380	5,100	1,765	3,335	61.6	51.0	54.7	2,788		
1981	800	5,750	4,600	2,036	2,564	69.4	53.4	60.5	2,782		
1982	900	6,800	6,120	1,620	4,500	72.4	69.1	70.0	4,283		
1983	900	8,000	7,200	2,250	4,950	73.1	60.5	64.4	4,637		
1984	800	6,000	4,800	1,700	3,100	64.0	42.0	49.8	2,390		
1985	800	6,875	5,500	2,100	3,400	79.7	52.6	62.9	3,462		
1986	800	3,625	2,900	1,100	1,800	81.5	62.5	69.7	2,022		
1987	900	7,000	6,300	2,400	3,900	81.5	60.4	68.4	4,312		
1988	1,000	6,500	6,500	1,800	4,700	83.4	73.0	75.9	4,932		
1989	900	7,000	6,300	2,100	4,200	82.0	62.0	68.7	4,326		

N.A.= Not available.

Sources: Oregon Agricultural Statistics, USDA and Oregon Agricultural Statistics Service, Oregon Dept. of Agriculture; Washington Agricultural Statistics, USDA and Washington Agricultural Statistics Service, State of Washington Dept. of Agriculture; Blueberries 1989, North American Blueberry Council Statistical Record; National Agricultural Statistics Service, USDA, various years.

Table 85--Boysenberries and loganberries: Commercial acreage, yield per acre, production, and season-average grower price, Oregon, 1970 to date

State and year	Acreage harvested	Yield per acre	Utilized production	Utilization		Grower price			Value of utilized production
				Fresh	Processed	Fresh	Processed	All	
	Acres	Pounds		-- 1,000 pounds --		-- Cents/pound --			1,000 dollars
Boysenberries									
1970	1,450	4,200	6,090	190	5,900	18.2	17.9	17.9	1,090
1971	1,350	2,900	3,915	315	3,600	19.8	18.0	18.1	709
1972	1,200	2,800	3,360	260	3,100	32.8	36.0	35.8	1,203
1973	800	2,000	1,600	130	1,470	44.9	49.5	49.1	786
1974	1,200	2,420	2,900	160	2,740	34.0	32.3	32.4	940
1975	950	3,790	3,600	160	3,440	27.3	18.0	18.4	662
1976	600	3,750	2,250	275	1,975	29.3	28.3	28.4	639
1977	700	4,500	3,150	150	3,000	65.0	65.0	65.0	2,048
1978	750	2,670	2,000	100	1,900	80.0	81.5	81.4	1,628
1979	800	2,940	2,350	100	2,250	80.0	79.7	79.7	1,873
1980	1,000	3,500	3,500	100	3,400	45.8	30.6	31.0	1,086
1981	950	3,000	2,850	100	2,750	43.4	28.4	28.9	824
1982	1,000	4,200	4,200	200	4,000	42.0	32.3	32.8	1,376
1983	950	3,740	3,550	200	3,350	45.0	34.0	34.6	1,229
1984	900	3,700	3,330	200	3,130	71.0	71.0	71.0	2,364
1985	900	4,000	3,600	100	3,500	82.0	79.0	79.1	2,847
1986	850	3,350	3,700	50	3,650	77.0	80.0	80.0	2,959
1987	1,000	5,300	5,300	50	5,250	67.0	52.0	52.2	2,764
1988	950	5,680	5,400	100	5,300	43.0	73.0	42.4	2,320
1989	900	3,440	3,100	100	3,000	51.0	72.0	50.3	1,581
Loganberries									
1970	450	5,600	2,520	50	2,470	22.0	20.0	20.0	504
1971	400	5,500	2,200	100	2,100	22.2	20.1	20.2	444
1972	430	3,800	1,634	34	1,600	27.8	29.0	29.0	474
1973	390	2,700	1,053	73	980	44.0	46.0	45.9	483
1974	470	3,900	1,833	32	1,801	41.5	40.2	40.2	737
1975	440	6,360	2,800	50	2,750	26.6	20.0	20.1	563
1976	470	5,320	2,500	50	2,450	27.0	20.4	20.5	513
1977	500	7,200	3,600	60	3,540	45.0	41.9	42.0	1,512
1978	470	5,320	2,500	50	2,450	45.0	41.3	41.4	1,035
1979	400	2,900	1,160	30	1,130	60.0	60.9	60.9	706
1980	420	5,360	2,250	30	2,220	44.6	24.5	24.8	557
1981	450	3,420	1,540	40	1,500	23.0	18.8	18.9	291
1982	500	4,200	2,100	50	2,050	47.5	35.0	35.3	742
1983	450	5,330	2,400	80	2,220	35.0	25.7	26.0	598
1984	420	3,330	1,400	100	1,300	43.0	40.0	40.2	563
1985	330	3,790	1,250	50	1,200	51.0	49.5	49.6	620
1986	230	5,650	1,300	30	1,270	86.0	75.0	75.3	979
1987	240	5,330	1,280	30	1,250	61.0	35.0	35.6	456
1988	240	5,670	1,360	10	1,350	35.3	67.0	35.0	480
1989	200	3,250	650	25	625	45.2	64.0	44.5	294

Sources: Oregon Agricultural Statistics, USDA and Oregon Agricultural Statistics Service, Oregon Dept. of Agriculture; National Agricultural Statistics Service, USDA, various years.

Table 86--Black raspberries: Commercial acreage, yield per acre, production, and season-average grower price, Oregon and Washington, 1970 to date

State and year	Acreage harvested	Yield per acre	Utilized production	Utilization		Grower price			Value of utilized production	
				Fresh	Processed	Fresh	Processed	All		
Acres	Pounds	-- 1,000 pounds --				-- Cents/pound --			1,000 dollars	
Oregon										
1970	2,900	1,000	2,900	100	2,800	22.8	25.0	24.9	722	
1971	2,800	1,000	2,800	150	2,650	23.0	25.0	24.9	697	
1972	2,200	1,250	2,750	100	2,650	43.0	45.0	44.9	1,235	
1973	1,800	1,100	1,980	120	1,860	68.3	85.0	84.0	1,663	
1974	1,500	1,440	2,160	110	2,050	49.5	51.0	50.9	1,099	
1975	1,300	1,850	2,400	150	2,250	61.7	50.0	50.7	1,217	
1976	1,200	1,500	1,800	125	1,675	41.8	50.0	49.4	889	
1977	1,200	1,220	2,300	100	2,200	64.0	61.9	62.0	1,426	
1978	1,200	1,580	1,900	40	1,860	75.0	75.0	75.0	1,425	
1979	1,300	1,850	2,400	30	2,370	90.0	93.0	93.0	2,231	
1980	1,700	1,820	3,100	30	3,070	58.8	45.4	45.5	1,411	
1981	1,600	2,010	3,220	20	3,200	50.0	24.1	24.3	781	
1982	1,500	1,850	2,770	10	2,470	50.0	27.5	27.6	684	
1983	1,350	2,150	2,900	10	2,890	60.0	53.0	53.0	1,538	
1984	1,300	1,540	2,000	20	1,980	110.0	95.0	95.2	1,903	
1985	1,350	1,560	2,100	20	2,080	157.0	136.2	136.2	2,860	
1986	1,550	1,870	2,900	0	2,900	0.0	180.0	180.0	5,200	
1987	1,750	2,490	4,350	10	4,340	90.0	52.0	52.1	2,266	
1988	1,500	2,500	3,750	20	3,730	88.0	34.5	34.8	1,305	
1989	1,400	1,930	2,700	50	2,650	120.0	38.0	39.5	1,067	
Washington										
1970	160	1,600	256	4	252	30.0	25.0	25.1	64	
1971	140	800	112	4	108	30.0	25.0	25.2	28	
1972	130	800	104	11	93	48.0	42.0	42.6	44	
1973	130	700	91	6	85	88.8	88.8	88.8	81	
1974	140	1,070	150	5	145	50.0	50.0	50.0	75	
1975	140	1,210	170	3	167	50.0	50.0	50.0	85	
1976	110	1,110	122	4	118	50.0	50.0	50.0	61	
1977	110	1,730	190	4	186	50.0	65.0	64.7	123	
1978	130	1,360	177	3	174	75.0	75.0	75.0	133	
1979	130	2,200	286	2	284	86.7	86.7	86.7	248	
1980	120	1,460	175	2	173	41.0	41.0	41.0	72	
1981	120	670	80	4	76	47.5	25.0	26.1	21	
1982	110	1,230	135	4	131	29.0	29.0	29.6	40	
1983	110	1,000	110	10	100	65.0	50.0	51.4	57	
1984	100	850	85	15	70	59.0	55.0	55.3	47	
1985	100	950	95	25	70	135.0	140.0	138.9	132	
1986	100	700	70	14	56	170.0	165.0	165.7	116	
1987	100	1,100	110	23	87	55.0	49.2	50.4	55	
1988	80	1,300	104	20	84	100.0	41.0	51.9	54	
1989	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

N.A.= Not available.

Sources: Oregon Agricultural Statistics, USDA and Oregon Agricultural Statistics Service, Oregon Dept. of Agriculture; Washington Agricultural Statistics, USDA and Washington Agricultural Statistics Service, State of Washington Dept. of Agriculture; National Agricultural Statistics Service, NASS, USDA, various years.

Table 87--Red raspberries: Commercial acreage, yield per acre, production, and season-average grower price, Oregon and Washington, 1970 to date

State and year	Acreage harvested	Yield per acre	Utilized production	Utilization		Grower price			Value of utilized production
				Fresh	Processed	Fresh	Processed	All	
Acres	Pounds		-- 1,000 pounds --		-- Cents/pound --		1,000 dollars		
Oregon									
1970	2,700	4,400	11,880	8,800	11,000	19.8	21.5	21.4	2,542
1971	2,700	4,300	11,610	1,000	10,610	22.0	23.6	23.5	2,728
1972	2,400	4,100	9,840	1,400	8,440	32.5	32.0	32.1	3,159
1973	2,100	5,000	10,500	700	9,800	40.5	46.0	45.6	4,788
1974	2,300	4,300	9,900	400	9,500	39.1	32.3	32.6	3,227
1975	2,100	4,860	10,200	700	9,500	46.6	22.0	23.7	2,417
1976	2,000	4,500	9,000	800	8,200	42.0	30.8	31.8	2,862
1977	1,900	5,530	10,500	700	9,800	60.0	50.4	51.0	5,555
1978	1,900	5,050	9,600	400	9,200	71.0	74.8	74.6	7,162
1979	2,000	5,000	10,000	700	9,300	60.4	68.8	68.2	6,821
1980	2,100	5,050	10,600	600	10,000	50.7	27.4	28.7	3,044
1981	2,000	6,000	12,000	600	11,400	54.2	51.0	51.2	6,139
1982	2,500	5,400	13,500	1,000	12,500	78.0	70.0	70.6	9,530
1983	2,500	5,600	14,000	1,000	13,000	65.0	35.9	38.0	5,320
1984	2,700	5,480	14,800	800	14,000	65.0	53.0	53.6	7,940
1985	2,800	4,460	12,500	500	12,000	80.0	52.5	53.6	6,700
1986	3,100	4,000	12,400	300	12,100	82.0	76.5	76.6	9,503
1987	3,500	6,140	21,500	600	20,900	76.0	50.0	50.7	10,906
1988	3,700	5,140	19,000	650	18,350	99.0	53.5	55.1	10,461
1989	4,000	6,250	25,000	600	24,400	94.0	55.5	56.4	14,106
Washington									
1970	2,900	5,000	14,500	996	13,504	29.8	21.9	22.4	3,248
1971	2,700	5,000	13,500	1,135	12,365	26.2	23.7	23.9	3,227
1972	2,600	4,600	11,960	965	10,995	33.2	31.2	31.4	3,755
1973	2,700	5,020	13,550	878	12,672	45.1	43.1	43.2	5,854
1974	2,800	5,100	14,280	1,180	13,100	40.4	36.9	37.2	5,312
1975	3,000	5,500	16,500	1,100	15,400	54.2	22.8	24.9	4,109
1976	2,900	5,080	14,732	1,312	13,420	43.0	28.3	29.6	4,361
1977	2,800	5,230	14,644	1,615	13,029	48.8	44.1	44.6	6,531
1978	2,600	5,100	13,260	1,017	12,243	66.7	70.7	70.4	9,335
1979	2,600	4,900	12,740	1,790	10,950	75.5	68.5	69.5	8,852
1980	2,800	4,500	12,600	2,240	10,360	69.6	30.3	37.3	4,698
1981	3,000	4,750	14,250	2,350	11,900	68.1	48.8	52.0	7,408
1982	3,100	5,700	17,670	1,800	15,870	78.8	66.0	67.3	11,892
1983	3,000	5,800	17,400	1,740	15,660	83.4	38.5	43.0	7,482
1984	3,000	5,450	16,350	1,150	15,200	78.5	47.0	49.2	8,047
1985	3,200	5,250	16,800	1,000	15,800	75.9	54.9	56.1	9,433
1986	3,300	4,200	13,860	1,040	12,820	86.0	75.0	75.8	10,509
1987	3,600	6,400	23,040	1,300	21,740	93.6	50.1	52.6	12,109
1988	4,000	6,300	25,200	1,200	24,000	83.5	52.0	53.5	13,482
1989	4,200	6,900	28,980	1,100	27,880	85.0	55.0	56.1	16,269

Sources: Oregon Agricultural Statistics, USDA and Oregon Agricultural Statistics Service, Oregon Dept. of Agriculture; Washington Agricultural Statistics, USDA and Washington Agricultural Statistics Service, State of Washington Dept. of Agriculture; Noncitrus Fruits and Nuts, NASS, USDA, various years.

Table 88--Strawberries: Acreage, production, season-average grower price, and value, United States, 1970 to date

Year	Acres harvested	Production	Grower price	Value	
				1,000 cwt	1,000 dollars
1970	50,400	4,960	21.50		106,467
1971	47,780	5,207	22.50		116,975
1972	43,410	4,602	24.00		110,262
1973	40,610	4,796	27.60		132,186
1974	39,260	5,388	28.80		155,122
1975	39,590	5,506	30.60		168,352
1976	34,450	5,807	32.90		191,022
1977	35,650	6,619	33.20		219,958
1978	37,600	6,592	31.70		209,257
1979	36,500	6,383	38.70		246,850
1980	36,050	7,017	41.20		288,776
1981	37,000	7,416	42.00		311,147
1982	40,250	8,830	48.10		424,592
1983	43,300	8,935	45.60		407,188
1984	43,300	9,909	41.70		413,251
1985	44,050	10,188	44.30		450,819
1986	44,350	10,193	49.40		503,641
1987	46,120	11,173	49.40		552,336
1988	47,150	11,791	46.20		544,279
1989	45,600	11,108	46.80		519,739

Source: National Agricultural Statistics Service, USDA.

Table 89--Strawberries, fresh market and processing: Production, season-average grower price, and value, United States, 1970 to date

Year	Fresh market			Processing		
	Production	Price	Value	Production	Price	Value
	1,000 cwt	Dollars/cwt	1,000 dollars	1,000 cwt	Dollars/cwt	1,000 dollars
1970	3,164	24.80	78,533	1,796	15.60	27,934
1971	3,404	25.40	86,394	1,803	14.50	26,081
1972	3,211	27.10	86,948	1,391	16.80	23,314
1973	3,164	31.00	97,934	1,632	21.00	34,252
1974	3,706	32.50	120,288	1,682	20.70	34,834
1975	3,774	35.50	133,917	1,732	19.90	34,435
1976	3,695	37.70	139,268	2,112	24.50	51,754
1977	4,298	39.10	167,949	2,321	22.40	52,009
1978	4,779	36.70	175,155	1,813	18.80	34,102
1979	4,360	43.40	189,105	2,023	28.50	57,745
1980	4,821	47.90	231,115	2,196	26.30	57,661
1981	5,375	47.10	253,289	2,041	28.30	57,858
1982	5,896	55.20	325,338	2,934	33.80	99,254
1983	5,854	53.00	310,072	3,081	31.50	97,116
1984	7,482	49.00	366,501	2,427	19.30	46,750
1985	7,541	52.60	396,894	2,647	20.40	53,925
1986	7,348	57.60	422,898	2,845	28.40	80,743
1987	7,804	58.50	456,290	3,369	28.50	96,046
1988	8,555	54.10	462,690	3,236	25.20	81,589
1989	8,315	54.10	449,660	2,793	25.10	70,079

Source: National Agricultural Statistics Service, USDA.

Table 90--Strawberries, fresh: Monthly prices received by growers, United States, 1970 to date

Year	January	February	March	April	May	June	July	August	September	October	November	December
1970	35.30	32.00	31.10	22.90	24.50	26.50	24.30	20.60	21.20	21.40	21.40	21.40
1971	38.50	37.00	37.60	28.20	24.50	26.40	25.60	21.40	23.20	23.20	23.20	38.10
1972	36.00	34.50	32.00	25.90	25.30	29.00	28.50	22.80	25.70	28.70	28.70	27.10
1973	46.90	48.50	44.40	32.00	26.60	31.70	33.10	29.80	27.20	36.60	36.60	---
1974	42.20	41.70	42.20	31.10	29.10	33.40	34.30	31.50	33.00	32.30	32.30	32.20
1975	53.00	43.70	49.60	39.60	31.10	32.30	32.10	33.90	36.20	32.00	32.00	---
1976	59.50	50.50	51.20	37.50	31.80	35.80	38.20	40.30	40.30	45.60	45.60	---
1977	52.70	52.70	49.30	37.80	33.50	34.80	34.10	41.80	41.70	42.50	42.50	55.00
1978	75.00	62.90	52.90	34.80	28.70	30.30	35.90	40.10	37.20	62.70	62.70	38.50
1979	68.50	79.80	60.50	40.90	33.40	40.70	48.70	53.90	47.00	48.10	48.10	118.00
1980	62.00	68.60	61.00	43.00	45.20	46.30	42.20	46.50	47.90	51.60	51.60	---
1981	82.00	59.20	50.70	42.90	41.90	42.20	53.10	56.80	42.90	70.40	70.40	90.50
1982	67.50	60.70	56.20	59.20	50.00	48.20	52.40	66.00	50.60	63.30	63.30	125.00
1983	80.80	76.50	70.10	46.60	47.30	47.10	56.70	68.40	53.70	120.00	120.00	84.80
1984	14.00	66.50	56.80	39.20	41.20	49.10	51.40	51.50	78.10	110.00	110.00	---
1985	88.50	82.90	61.30	46.20	39.70	44.90	70.90	57.60	58.30	98.80	98.80	110.00
1986	96.80	85.30	63.40	49.90	43.00	53.40	54.70	83.70	82.50	144.00	144.00	122.00
1987	90.00	118.00	71.70	45.60	50.00	55.00	55.70	54.00	68.10	116.00	116.00	130.00
1988	80.00	76.30	58.50	40.90	49.90	50.40	55.00	60.00	70.00	160.00	160.00	140.00
1989	83.00	93.50	71.20	44.10	35.00	56.00	31.00	65.00	95.00	130.00	130.00	120.00
1990	98.00	140.00	44.80	50.80	35.80	45.20	45.30	45.30	45.30	45.30	45.30	45.30

--- = Insufficient marketing to establish price.

Source: National Agricultural Statistics Service, USDA.

Tree Nut Production and Value Lower in 1989

The total value of utilized tree nut production dropped in 1989 as the increased value of macadamia, pecan, and walnut production was more than offset by a decline in the value of almond, hazelnut, and pistachio production.

U.S. production of the six major domestic tree nuts (almonds, hazelnuts, macadamias, pecans, pistachios, and walnuts) totaled 806,800 tons (in-shell basis), down 10 percent from 1988 and 16 percent below 1987. The value of utilized production for the six tree nuts was \$1.01 billion in 1989, also down 10 percent from 1988.

Almonds Fell Sharply, Prices Unchanged

California almond production fell 100 million pounds to 490 million (shelled basis) in 1989 because of reduced yields and fewer acres. The grower price was unchanged at \$1.05 per pound. Carryin stocks for the 1989/90 season were the highest ever, resulting in a near record supply of almonds. California almond exports met stiff competition in European markets due to a large Spanish almond supply.

Small Hazelnut Crop, Prices Steady

The 1989 hazelnut (filbert) crop in Oregon and Washington totaled 13,000 tons (in-shell), one of the smallest in recent years due to a decrease in yield. Acreage continues to trend upward. The grower price was slightly lower at

\$820 per ton. A bumper crop in Turkey kept both world and U.S. prices low. The small 1989 crop dampened U.S. export prospects and kept U.S. imports relatively high.

Macadamia Nuts Continue To Increase

Acreage, production, and value of macadamias set records in 1989, continuing their strong upward trend. Production was nearly 51 million pounds due to increases in bearing acreage and yield per acre. The average grower price, at \$.89 per pound, was nearly the same as the previous season. Strong domestic and foreign demand in 1989/90 caused imports and exports to double in volume from the previous marketing season.

Much Smaller Pecan Crop Resulted In Higher Grower Price

The U.S. pecan crop was much smaller in 1989, at 251 million pounds, raising the average grower price from 54.1 cents per pound in 1988 to 71.5 cents. The 1988 grower price was lower than usual, primarily owing to that year's large harvest. Also, domestic and export demand increased in 1989/90, which is projected to leave ending stocks unusually low.

Pistachio Crop Sharply Lower, Prices Up

The 1989 California pistachio crop fell sharply from its record 94 million pounds (in-shell) in 1988 to 39 million in 1989. Bearing acres increased to 48,400, but the yield was very low at 806 pounds per acre. Pistachio nut trees have alternate bearing years and another large harvest is expected for the 1990 season. The grower price in 1989 rose sharply to \$1.56 per pound from \$1.22 the previous season. The price jump is attributed to a drop in the 1989/90 supply to approximately one-third below the previous season in spite of near record carryover stocks from 1988/89.

Walnut Production and Price Up Moderately

California English walnut production in 1989 was 229,000 tons (in-shell basis), up 10 percent from 1988 due to higher yields. Bearing acres remained unchanged at 177,000. The 1989/90 season average grower price was \$972 per ton, up from \$922. The walnut supply for 1989/90 was very large, and total use is expected to be record high, primarily due to record exports and strong domestic demand.

Figure 6
U.S. Tree Nut Production

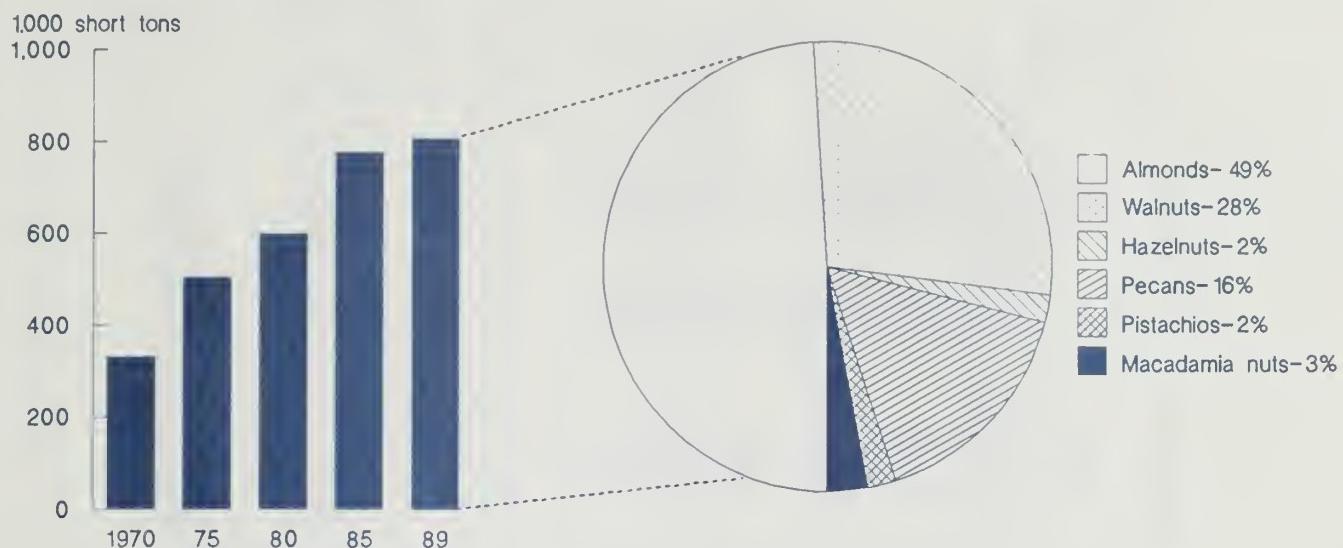


Table 91--Almonds (shelled basis): Acreage, yield per acre, production, season-average grower price, and value, California, 1970 to date

Year	Bearing acreage 1,000 acres	Yield/ acre Pounds	Production Million pounds	Grower price Cents/pound	Value 1,000 dollars
1970	169.9	877	149	53.8	80,104
1971	187.8	863	162	53.8	87,100
1972	198.9	759	151	65.0	98,125
1973	213.6	726	155	128.8	199,660
1974	231.2	995	230	74.0	170,100
1975	248.8	748	186	63.7	118,400
1976	257.9	1,100	284	64.8	184,032
1977	276.5	1,130	313	84.5	264,485
1978	307.7	588	181	145.0	262,450
1979	324.1	1,160	376	153.0	575,280
1980	326.8	985	322	147.0	473,340
1981	326.2	1,250	408	78.0	299,520
1982 1/	339.0	1,020	347	94.0	311,140
1983 1/	360.0	672	242	104.0	231,920
1984 1/	381.0	1,550	590	77.4	446,134
1985 1/	409.0	1,140	465	80.0	360,640
1986 1/	416.0	601	250	192.0	461,568
1987 1/	417.0	1,580	660	100.0	648,000
1988 1/	419.0	1,410	590	105.0	600,075
1989 1/	409.0	1,200	490	105.0	495,075

1/ Price and value are based on the edible portion of the crop only. Included in production are inedible quantities of no value as follows (million pounds); 1982-16.0, 1983-19.0, 1984-13.5, 1985-14.3, 1986-9.80, 1987-12.0, 1988-18.5, and 1989-18.5.

Source: National Agricultural Statistics Service, USDA.

Table 92-Almonds: Supply and utilization (shelled basis), 1970/71 to date

Season 1/	Marketable production	Imports	Beginning stocks 2/	Total supply	Less current year market reserve	Total salable supply	Salable carryover	Total delivered sales	Consumption		
									From salable supply	Exports 3/	From market reserve
--1,000 pounds--											
1970/71	141,880	280	25,500	167,660	0	167,660	30,200	137,460	68,260	69,200	0
1971/72	153,970	300	30,200	184,470	0	184,470	18,700	165,770	90,030	75,700	0
1972/73	142,040	280	18,700	161,020	0	161,020	16,000	145,020	69,400	75,780	0
1973/74	146,430	120	16,000	162,550	0	162,550	30,100	132,450	77,450	55,000	0
1974/75	217,650	10	30,100	247,760	0	247,760	87,600	160,160	103,940	56,220	0
1975/76	170,180	50	87,600	257,830	0	257,830	59,000	198,830	123,500	75,380	0
1976/77	258,070	150	59,000	317,220	0	317,220	74,200	243,020	150,590	92,430	0
1977/78	284,800	130	74,200	359,130	0	359,130	94,200	264,930	165,900	99,030	42
1978/79	162,430	530	94,200	257,160	0	257,160	37,600	219,400	131,100	88,300	0
1979/80	348,510	230	37,760	386,500	0	386,500	78,950	307,550	224,220	83,330	0
1980/81	305,140	70	78,950	384,160	0	384,160	101,660	282,500	186,930	95,570	0
1981/82	383,130	40	101,660	484,830	0	484,830	161,010	323,820	207,890	115,930	0
1982/83	330,760	570	161,010	492,340	4/ 6,615	485,725	176,950	308,775	130,795	4,780	58
1983/84	221,790	180	176,950	398,920	4/ 6,654	392,266	90,620	301,646	171,700	129,946	2,793
1984/85	563,640	240	90,620	654,500	4/ 28,182	626,318	227,010	399,308	266,760	132,548	60
1985/86	444,000	460	227,010	671,470	4/ 44,400	627,070	144,280	482,790	332,190	150,600	9,842
1986/87	235,690	692	144,280	380,662	0	380,662	79,017	301,645	174,010	127,635	13,813
1987/88	634,557	646	79,017	714,220	114,220	600,000	5/ 116,071	483,929	343,295	140,634	53
1988/89	564,500	483	227,874	792,857	141,134	651,723	5/ 126,087	525,636	363,973	161,663	65
1989/90 6/	462,000	66	267,221	729,287	0	729,287	211,000	518,287	341,900	176,387	0

1/ July 1-June 30.

2/ Salable carryover plus unallocated market reserve from previous year.

3/ Excludes market reserve allocated to export in 1982-1985.

4/ Market reserve allocated to domestic consumption and export in current marketing year.

5/ Excludes unallocated market reserve.

6/ Preliminary estimates.

Source: Almond Board of California.

Table 93--Hazelnuts (filberts) (in-shell): Bearing acreage and yield per acre, by States, 1970 to date

Year	Oregon		Washington		United States	
	Bearing acreage	Yield/acre	Bearing acreage	Yield/acre	Bearing acreage	Yield/acre
	Acres	Tons	Acres	Tons	Acres	Tons
1970	15,800	0.55	500	1.02	16,300	0.57
1971	16,100	.68	500	.74	16,600	.68
1972	16,500	.58	500	1.10	17,000	.60
1973	16,500	.71	500	1.10	17,000	.72
1974	16,400	.39	500	.60	16,900	.40
1975	17,400	.68	400	.80	17,800	.68
1976	17,500	.40	400	.55	17,900	.40
1977	17,200	.66	400	.88	17,600	.67
1978	17,200	.80	400	.88	17,600	.80
1979	17,200	.74	400	.75	17,600	.74
1980	21,600	.70	400	.75	22,000	.70
1981	21,600	.67	400	.75	22,000	.67
1982	21,580	.85	420	.95	22,000	.85
1983	20,900	.38	400	.50	21,300	.38
1984	21,600	.61	400	.50	22,000	.61
1985	22,900	1.06	400	.75	23,300	1.06
1986	24,500	.61	400	.50	24,900	.61
1987	25,400	.85	400	.75	25,800	.84
1988	26,100	.62	400	.50	26,500	.62
1989	27,100	.47	360	.56	27,460	.47

Source: National Agricultural Statistics Service, USDA.

Table 94--Hazelnuts (filberts) (in-shell): Production, season-average grower price, and value, by States, 1970 to date 1/

Year	Oregon			Washington			Oregon and Washington		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
		Tons	Dollars/ton		Dollars/ton	1,000 dollars		Dollars/ton	1,000 dollars
1970	8,750	570	4,988	510	571	291	9,260	570	5,279
1971	11,000	414	4,554	370	416	154	11,370	414	4,708
1972	9,600	508	4,877	550	509	280	10,150	508	5,157
1973	11,700	570	6,669	550	635	349	12,250	573	7,018
1974	6,400	560	3,584	300	565	170	6,700	560	3,754
1975	11,800	610	7,198	320	595	190	121,200	610	7,388
1976	6,950	640	4,448	220	635	140	7,170	640	4,588
1977	11,400	687	7,832	350	674	236	11,750	687	8,068
1978	13,700	805	11,029	350	835	292	14,050	806	11,321
1979	12,700	951	12,078	300	970	291	13,000	951	12,369
1980	15,100	1,151	17,386	300	1,181	354	15,400	1,152	17,740
1981	14,400	786	11,319	300	770	231	14,700	786	11,550
1982	18,400	680	12,512	400	677	271	18,800	680	12,783
1983	8,000	554	4,432	200	720	144	8,200	558	4,576
1984	13,200	617	8,144	200	875	175	13,400	621	8,319
1985	24,300	677	16,451	300	957	287	24,600	680	16,738
1986	14,900	724	10,788	200	895	179	15,100	726	10,967
1987	21,500	956	20,554	300	1,160	348	21,800	959	20,902
1988	16,300	853	13,904	200	891	178	16,500	853	14,082
1989	12,800	817	10,458	200	1,030	206	13,000	820	10,664

1/ Production is the quantity sold or utilized. Excludes unharvested production for Oregon, 500 tons in 1974.

Source: National Agricultural Statistics Service, USDA.

Table 95--Hazelnuts (filberts): Supply and utilization (shelled basis), 1970/71 to date

Season 1/	Marketable production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Consumption		
							Exports	Total	Per capita Pounds
--1,000 pounds--									
1970/71	6,758	6,111	351	13,220	1,591	11,629	615	11,014	0.05
1971/72	8,300	4,491	1,591	14,382	410	13,972	566	13,406	.06
1972/73	8,303	7,211	410	15,924	684	15,240	655	14,585	.07
1973/74	9,678	13,813	684	24,175	1,529	22,646	547	22,099	.10
1974/75	4,556	4,013	1,529	10,098	107	9,991	549	9,442	.04
1975/76	9,284	9,590	107	18,981	775	18,206	720	17,486	.08
1976/77	5,621	10,941	775	17,337	566	16,771	1,144	15,627	.07
1977/78	9,142	7,743	566	17,451	866	16,585	1,717	14,868	.07
1978/79	10,790	10,329	866	21,985	1,344	20,641	2,874	17,767	.08
1979/80	10,348	4,513	1,344	16,205	1,046	15,159	6,651	8,508	.04
1980/81	12,320	4,001	1,046	17,367	1,124	16,243	4,729	11,514	.05
1981/82	11,848	3,953	1,124	16,925	965	15,960	3,949	12,011	.05
1982/83	14,965	6,778	965	22,708	3,001	19,707	3,423	16,284	.07
1983/84	5,592	7,156	3,001	15,749	659	15,090	3,012	12,078	.05
1984/85	9,434	9,011	659	19,104	544	18,560	2,644	15,916	.07
1985/86	19,188	4,195	544	23,927	1,257	22,670	6,640	16,030	.07
1986/87	11,476	3,721	1,257	16,454	399	16,055	7,130	8,925	.04
1987/88	17,745	3,863	399	22,007	1,758	20,249	5,898	14,351	.06
1988/89	13,134	8,165	1,758	23,057	1,686	21,371	3,778	17,593	.07
1989/90 2/	10,400	6,454	1,686	18,540	1,083	17,457	3,344	14,113	.06

1/ Season beginning August 1.

2/ Preliminary estimates.

Source: Commodity Economics Division, ERS, USDA.

Table 96--Macadamia nuts (in-shell): Acreage, yield per acre, production, season-average grower price, and value, Hawaii, 1970 to date

Year	Bearing acreage	Yield/ acre	Production	Grower price		Value
				Acres	Pounds	
					1,000 pounds	
					Cents/ pound	
					1,000 dollars	
1970	4,100	3,223	13,216		21.7	2,868
1971	4,900	2,949	14,448		24.7	3,569
1972	5,000	2,622	13,110		23.3	3,055
1973	5,100	2,377	12,124		25.5	3,092
1974	5,800	2,822	16,370		32.0	5,238
1975	6,100	2,999	18,210		31.6	5,754
1976	6,300	3,014	18,990		36.9	7,007
1977	6,300	3,124	19,680		40.8	8,029
1978	9,200	2,280	20,980		53.8	11,287
1979	9,600	2,777	26,660		62.9	16,769
1980	10,000	3,339	33,390		72.4	24,174
1981	10,000	3,346	33,360		79.3	26,454
1982	10,200	3,600	36,720		73.9	27,136
1983	10,600	3,440	36,420		65.7	23,928
1984	12,000	3,140	37,700		69.2	26,088
1985	13,500	3,110	42,000		72.5	30,450
1986	14,400	3,060	44,000		80.0	35,200
1987	15,600	2,740	42,700		84.0	35,868
1988	16,600	2,740	45,500		90.0	40,950
1989	18,200	2,770	50,500		89.0	44,945

Source: National Agricultural Statistics Service, USDA.

Table 97--Pecans (in-shell): Production, season-average grower price, and value, United States, 1970 to date

Year	Improved varieties 1/			Native and seedling			All pecans 2/		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	1,000 pounds	Cents/pound	1,000 dollars	1,000 pounds	Cents/pound	1,000 dollars	1,000 pounds	Cents/pound	1,000 dollars
1970	81,700	42.1	34,403	73,380	35.6	26,125	155,100	39.0	60,528
1971	142,300	35.4	50,369	103,900	29.8	30,917	246,200	33.0	81,286
1972	88,990	46.1	41,028	94,110	38.9	36,608	183,100	42.4	77,636
1973	145,200	42.6	61,793	130,500	30.3	39,494	275,700	36.7	101,287
1974	86,800	52.5	45,542	50,300	38.2	19,199	137,100	47.2	64,741
1975	110,100	46.5	51,164	136,700	34.4	47,036	246,800	39.8	98,200
1976	77,300	87.5	67,603	25,800	63.5	16,380	103,100	81.5	83,983
1977	137,900	66.0	91,015	98,700	46.0	45,444	236,600	57.7	136,459
1978	164,500	64.5	106,170	85,400	52.8	45,080	249,900	60.5	151,250
1979	101,100	70.0	70,742	109,500	41.9	45,921	210,600	55.4	116,663
1980	128,500	84.8	109,015	55,000	62.3	34,254	183,500	78.1	143,269
1981	174,550	64.7	112,987	164,550	43.7	71,855	339,100	54.5	184,842
1982	169,000	72.6	122,776	49,600	49.8	24,715	218,600	67.5	147,491
1983	167,250	67.7	113,199	102,750	44.0	45,190	270,000	58.7	158,389
1984	169,230	68.2	115,406	63,170	46.6	29,424	232,400	62.3	144,830
1985	152,500	79.1	120,582	91,900	49.7	45,706	244,400	68.0	166,288
1986	182,650	79.3	144,765	90,050	57.6	51,884	272,700	72.1	196,649
1987	179,650	60.1	107,953	82,550	37.7	31,156	262,200	53.1	139,109
1988	185,300	62.6	116,210	122,700	41.1	50,448	308,000	54.1	166,658
1989	161,000	78.6	126,491	73,200	53.8	39,350	250,500	71.5	179,020

1/ Budded, grafted, or topworked varieties.

2/ Includes other States (Arizona, Kansas, Montana and Tennessee), beginning with the 1989 crop.

Source: National Agricultural Statistics Service, USDA.

Table 98--Pecans: Supply and utilization (shelled basis), 1970/71 to date

Season 1/	Production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Consumption		
							Exports	Total	Per capita
--1,000 pounds--									
1970/71	68,744	1,190	33,200	103,134	17,431	85,703	2,432	83,271	0.40
1971/72	110,632	682	17,431	128,745	34,031	94,714	2,064	92,650	.44
1972/73	80,257	42	34,031	114,330	20,911	93,419	2,301	91,118	.43
1973/74	122,190	199	20,911	143,300	49,360	93,940	2,652	91,288	.43
1974/75	62,514	6	49,360	111,880	24,149	87,731	3,252	84,479	.39
1975/76	106,996	1	24,149	131,146	42,646	88,500	3,659	84,841	.39
1976/77	48,454	2,121	42,646	93,221	17,387	75,834	2,628	73,206	.33
1977/78	106,556	553	17,387	124,396	38,199	86,197	4,065	82,132	.37
1978/79	114,702	796	38,199	153,697	63,192	90,505	3,411	87,094	.39
1979/80	92,160	331	63,192	155,683	47,245	108,438	3,260	105,178	.46
1980/81	85,150	952	47,245	133,347	30,852	102,495	4,665	97,830	.43
1981/82	149,804	849	30,852	181,505	73,406	108,099	4,194	103,905	.45
1982/83	102,848	1,625	73,406	177,879	57,289	120,590	7,298	113,292	.48
1983/84	122,670	5,789	57,289	185,748	69,715	116,033	3,376	112,657	.48
1984/85	108,620	1,934	69,715	180,269	50,370	129,899	2,720	127,179	.53
1985/86	110,868	14,298	50,370	175,536	59,952	115,584	2,264	113,320	.47
1986/87	125,544	10,918	59,952	196,414	63,423	132,991	2,755	130,236	.54
1987/88	121,194	12,966	63,423	197,583	62,520	135,063	3,935	131,128	.53
1988/89	135,030	2,344	62,520	199,894	70,776	129,118	5,884	123,234	.50
1989/90 2/	101,989	8,631	70,776	181,396	44,896	136,500	9,034	127,466	.51

1/ Season beginning July 1.

2/ Preliminary estimates.

Source: Commodity Economics Division, ERS, USDA.

Table 99--Pistachios (in-shell): Production, season-average grower price, and value, California, 1977 to date 1/

Year	Bearing acreage	Yield/ acre	Production	Grower price	Value
	Acres	Pounds	1,000 pounds	Cents/pound	1,000 dollars
1977	1,700	2,647	4,500	104.0	4,680
1978	3,500	714	2,500	124.0	3,100
1979	25,400	677	17,200	160.0	27,520
1980	27,000	996	26,900	205.0	55,145
1981	28,100	516	14,500	136.0	19,759
1982	29,900	1,470	44,000	149.0	65,560
1983	31,100	849	26,400	141.0	37,224
1984	30,800	2,050	63,100	97.6	61,586
1985	32,300	839	27,100	137.0	37,127
1986	34,200	2,190	74,900	112.0	83,888
1987	41,000	807	33,100	137.0	45,347
1988	47,200	1,990	94,000	122.0	114,680
1989	48,400	806	39,000	156.0	60,840

1/ Estimated beginning 1977.

Source: National Agricultural Statistics Service, USDA.

Table 100--Pistachios: Supply and utilization (shelled basis), 1977/78 to date

Season 1/	Marketable production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Consumption		
							Exports	Total	Per capita
--1,000 pounds--									
1977/78	1,520	9,528	0	11,048	2,080	8,968	320	8,648	0.04
1978/79	840	6,863	2,080	9,783	1,080	8,703	160	8,543	.04
1979/80	5,240	9,219	1,080	15,539	5,000	10,539	1,400	9,139	.04
1980/81	11,572	1,175	5,000	17,847	5,135	12,712	1,840	10,872	.05
1981/82	5,888	1,817	5,135	12,840	2,061	10,779	1,480	9,299	.04
1982/83	16,986	2,819	2,061	21,866	6,581	15,285	3,247	12,038	.05
1983/84	11,115	6,683	6,581	24,379	4,977	19,402	1,815	17,587	.07
1984/85	27,507	7,284	4,977	39,768	11,256	28,512	2,758	25,754	.11
1985/86	11,518	14,875	11,256	37,649	7,362	30,287	1,658	28,629	.12
1986/87	31,005	5,357	7,362	43,724	15,005	28,719	2,183	26,536	.11
1987/88	14,595	2,166	15,005	31,766	5,487	26,279	3,469	22,810	.09
1988/89	45,685	854	5,487	52,026	14,897	37,129	6,442	30,687	.12
1989/90 2/	18,211	1,800	14,897	34,908	5,000	29,908	2,800	27,108	.11

1/ Season beginning September 1.

2/ Preliminary estimates.

Source: Commodity Economics Division, ERS, USDA.

Table 101--Walnuts (English), (in-shell): Production, season-average grower price, and value, California, 1970 to date

Year	Bearing acreage	Yield/acre	Production	Grower price	Value
	Acres	--Tons--		Dollars/ton	1,000 dollars
1970	146,500	0.74	108,000	407	43,956
1971	150,400	.90	135,000	420	56,700
1972	157,600	.74	116,000	564	65,424
1973	158,200	1.10	174,000	605	105,270
1974	163,200	.95	155,000	419	64,945
1975	165,800	1.19	198,000	456	90,288
1976	169,800	1.08	183,000	627	114,741
1977	176,300	1.09	192,000	725	139,200
1978	181,400	.88	160,000	1,302	208,320
1979	179,200	1.16	208,000	847	176,176
1980	179,900	1.10	197,000	936	184,392
1981	175,100	1.29	225,000	1,014	226,150
1982	178,000	1.31	234,000	1,020	238,680
1983	176,000	1.13	199,000	631	125,569
1984	178,000	1.20	213,000	730	155,490
1985	179,000	1.22	219,000	798	174,762
1986	180,000	1.00	180,000	1,080	194,400
1987	176,000	1.40	247,000	984	243,048
1988	177,000	1.18	209,000	922	192,698
1989	177,000	1.29	229,000	972	222,588

Source: National Agricultural Statistics Service, USDA.

Table 102--Walnuts: Supply and utilization (shelled basis), 1970/71 to date

Season 1/	Marketable production	Imports	Beginning stocks	Total supply	Ending stocks	Total use	Consumption		
							Exports	Total	Per capita Pounds
--1,000 pounds--									
1970/71	80,719	529	25,847	107,095	26,429	80,666	6,866	73,800	0.36
1971/72	98,838	457	26,429	125,724	28,014	97,710	12,735	84,975	.41
1972/73	83,647	1,402	28,014	113,063	18,255	94,808	13,166	81,642	.39
1973/74	128,891	268	18,255	147,14	46,726	100,688	17,315	83,373	.39
1974/75	105,552	40	46,726	152,318	41,040	111,278	20,935	90,343	.42
1975/76	138,235	152	41,040	179,427	34,353	145,074	35,086	109,988	.51
1976/77	136,466	68	34,353	170,887	22,329	148,558	36,274	112,284	.51
1977/78	141,586	147	22,329	164,062	20,823	143,239	35,883	107,356	.48
1978/79	110,140	1,065	20,823	132,028	23,922	108,106	25,079	83,027	.37
1979/80	149,972	320	23,922	174,214	40,280	133,934	37,884	96,050	.42
1980/81	145,856	9	40,280	186,145	30,290	155,855	42,434	113,421	.50
1981/82	179,675	9	30,290	209,974	37,998	171,976	52,087	119,889	.52
1982/83	181,075	299	37,998	219,372	71,255	148,117	38,858	109,259	.47
1983/84	131,926	77	71,255	203,258	56,420	146,838	34,598	112,240	.48
1984/85	133,601	315	56,420	190,336	42,273	148,063	34,447	113,616	.48
1985/86	166,910	128	42,273	209,311	52,170	157,141	41,762	115,379	.48
1986/87	140,954	2,655	52,170	195,779	28,343	167,436	49,340	118,096	.49
1987/88	204,258	470	28,343	233,071	59,951	173,120	59,219	113,901	.46
1988/89	167,539	184	59,951	227,674	48,236	179,438	60,318	119,120	.48
1989/90 2/	183,200	118	48,236	231,554	50,080	181,474	64,034	117,440	.47

1/ Season beginning August 1.

2/ Preliminary estimates.

Source: Commodity Economics Division, ERS, USDA.

Per Capita Consumption

Fruit and Tree Nut Consumption Dampened By Smaller Crops, Higher Prices in 1989

U.S. fresh fruit consumption slackened in 1989, while frozen and dried fruit consumption rose, and tree nut use was virtually unchanged.

Per Capita Fresh Fruit Consumption Slackens in 1989

Due mostly to smaller crops for fresh market oranges, grapes, peaches, plums, and fresh prunes, 1989 U.S.

fresh fruit consumption is estimated down 2 percent from 1988, to 96.6 pounds per person. Tighter domestic supplies of fresh market oranges caused an 18-percent drop in per capita fresh

orange consumption from 1988's 15.4 pounds.

Similarly, U.S. consumption of fresh lemons, tangelos, and tangerines declined due to tighter supplies. Lower

Figure 7
Per Capita Fresh Fruit Consumption

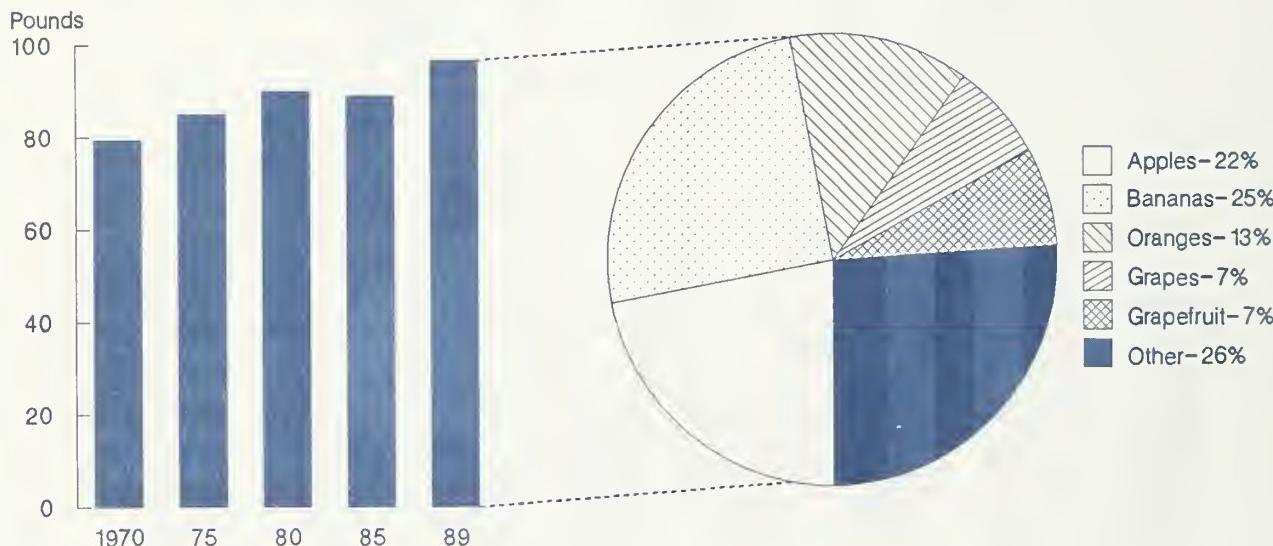


Figure 8
Per Capita Canned Fruit Consumption

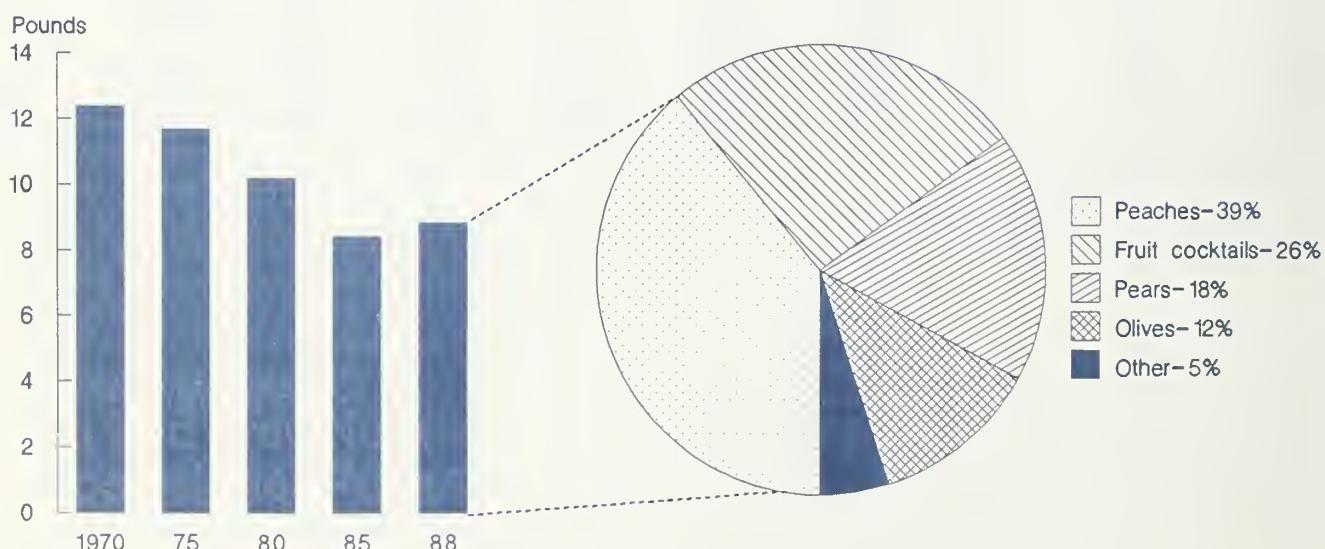


Figure 9

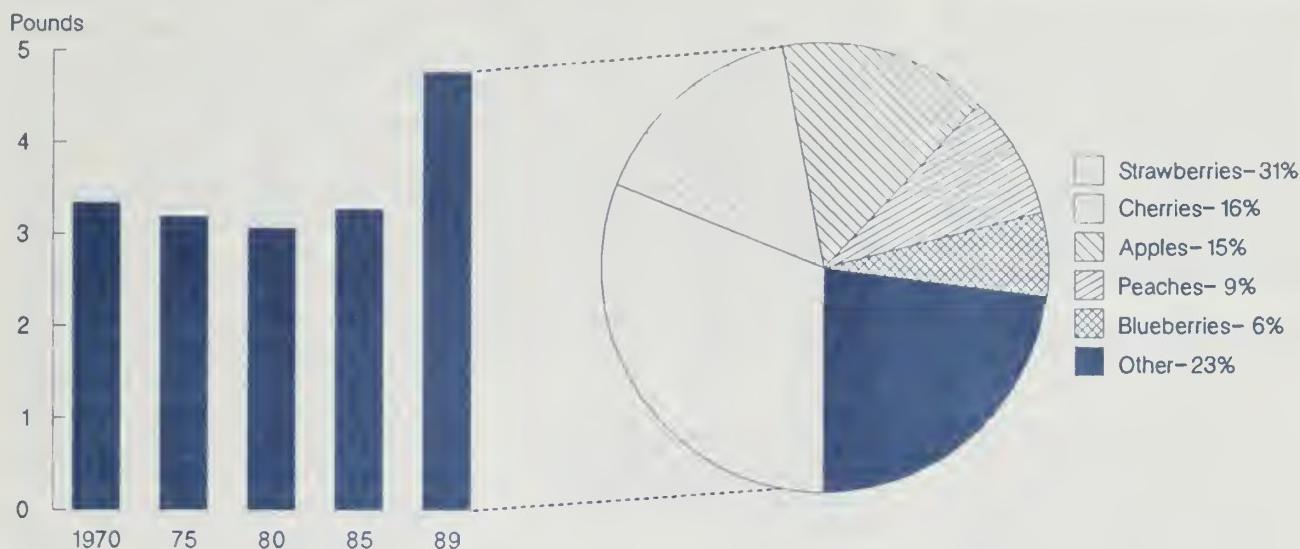
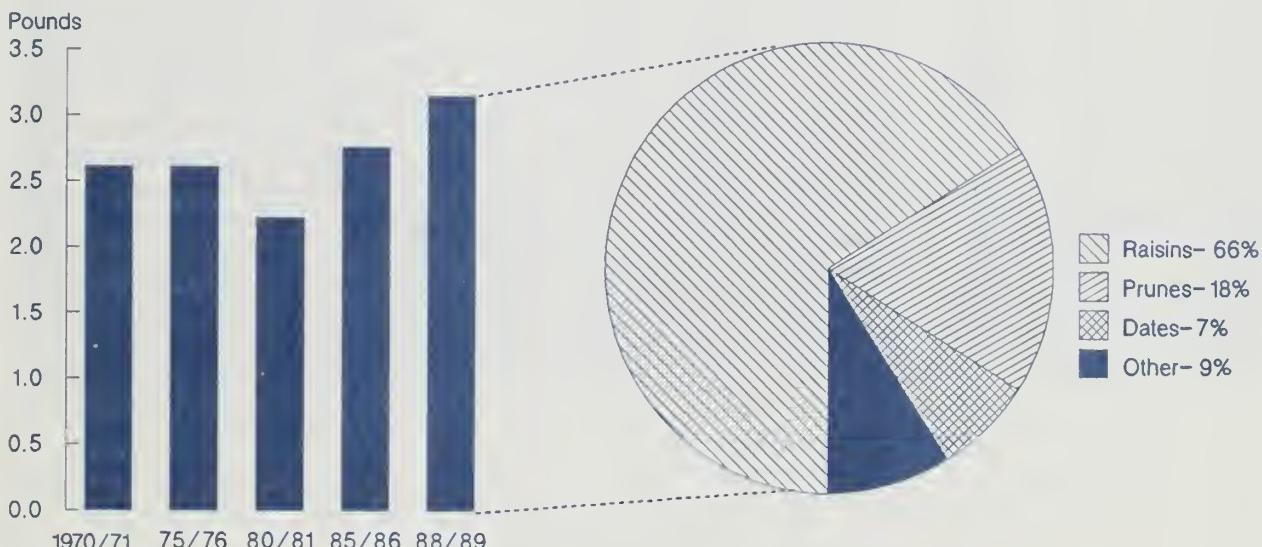
Per Capita Frozen Fruit Consumption

Figure 10

Per Capita Dried Fruit Consumption

consumption of these commodities, combined with reduced fresh orange consumption, offset an increase in per capita consumption of fresh grapefruit and limes. Overall, per capita consumption of fresh citrus totaled only 24.4 pounds in 1989, down 11 percent from 1988 and the lowest since 1985.

Per capita consumption of fresh non-citrus fruit rose to 72.2 pounds in 1989, up less than 1 percent from 1988. Increased use of fresh apples, bananas, cherries, kiwifruit, mangos, pears,

pineapples, and strawberries, offset reduced consumption of fresh grapes, nectarines, papayas, cranberries, avocados, apricots, plums, and prunes.

Bananas and apples continued to be the two most popular fresh fruits in the United States. Banana consumption rose with heavier imports, while fresh apple consumption reached a record 21.6 pounds due to the large crop and lower retail prices.

Per Capita Canned Fruit Consumption Data No Longer Available

Because pack and stock data for a variety of canned fruits are no longer available from several key industry participants, ERS is unable to continue the per capita consumption series for canned fruit in 1989. ERS is reviewing data availability and estimation methodologies in an attempt to resume some of the series next year.

U.S. Per Capita Frozen Fruit Consumption Rebounds

With larger frozen packs of most berries and noncitrus fruits, including apples, apricots, and cherries, U.S. per capita consumption of frozen fruit rebounded 26 percent from 1988 to 4.8 pounds in 1989. Strawberries continue to be the most heavily consumed frozen fruit, but U.S. consumption of frozen apples and raspberries is rapidly expanding.

Raisins Boost Dried Fruit Consumption

U.S. per capita dried fruit consumption reached 3.2 pounds in 1989, up 7 percent from 1988 and the highest in 20 years. While per capita consumption of dried apricots and dates rose, raisins posted the most dramatic increase. Per capita raisin consumption reached 2.1 pounds in 1989, up 11 percent from 1988 and the highest since 1945, due to good availability and strong demand. Raisins accounted for 66 percent of dried fruit consumption in 1989, up 2 percentage points from 1988.

1989 Tree Nut Consumption Rises Despite Smaller Crops

Total U.S. per capita tree nut consumption was estimated at 2.4 pounds in

1989, up 3 percent from 1988. Almonds continued to be the most popular tree nut, accounting for 30 percent of total per capita tree nut consumption in 1989, compared with 28 percent in 1988. U.S. per capita consumption of pecans and macadamia nuts also moderately increased in 1989 due to larger availability, but small consumption declines were estimated for hazelnuts, walnuts, and pistachios. Consumption of other tree nuts, including Brazil nuts, cashews, and pignolias (Chinese pine nuts), also increased in 1989.

New Procedure Estimates Per Capita Utilization of Processed Apples and Pineapples

Per capita consumption estimates for processed apple and pineapple products have not been available since the two industries ceased disclosure of pack and stock data early in the 1980's. However, it is possible to approximate the trend and general level of consumption over time by using crop utilization data published by USDA, adjusted by imports and exports. The user is cautioned against interpreting these numbers as reflecting actual year-to-year changes in consumption, because the data do not reflect year-to-year changes in stocks

and thus, can be highly variable between years.

In general, utilization data (adjusted for U.S. imports and exports) for apples in table 109 indicate that U.S. per capita consumption of fresh and processed apples has trended upward since 1970/71, but consumption remains highly variable across products. While per capita canned apple consumption has remained fairly flat over the past 20 years, per capita consumption of apple juice has dramatically increased, surpassing (on a fresh weight basis) fresh apple consumption in at least one year. In 1989, apple juice (fresh weight basis) accounted for 40 percent of total U.S. apple consumption, at 19.0 pounds per person, compared with only 20 percent in 1970.

The utilization data (adjusted for U.S. imports and exports) for pineapples shown in table 110 suggest that U.S. per capita pineapple consumption has been steady over the past 20 years. While U.S. consumers use considerably more processed pineapple than fresh, shifts in consumer demand between processed pineapple forms are not readily evident from this data series, as pineapple utilization data for processing are not available for canned pineapple or pineapple juice.

Table 103--Fresh fruit: Per capita consumption, 1970 to date 1/

Year	Citrus fruit						Noncitrus fruit						
	Oranges	Tangerines	Tan-gelos	Lemons	Limes	Grape-fruit	Total 4/	Apples	Apri-cots	Avo-cados	Bananas	Cher-ries	Cran-berries
--Pounds--													
1970	16.16	1.60	0.61	2.04	0.19	8.18	28.78	17.02	0.12	0.44	17.38	0.50	0.18
1971	15.72	1.78	.70	2.24	.18	8.52	29.14	16.42	.13	.83	18.06	.67	.19
1972	14.48	1.63	.73	1.86	.22	8.53	27.45	15.53	.08	.44	17.92	.38	.15
1973	14.44	1.69	.61	1.93	.22	8.54	27.43	16.13	.09	.83	18.16	.73	.19
1974	14.42	1.88	.67	2.00	.22	8.21	27.40	16.40	.06	.68	18.49	.58	.15
1975	15.88	2.00	.99	1.95	.24	8.32	29.38	19.49	.08	1.16	17.64	.69	.14
1976	14.74	1.98	.93	1.90	.25	9.24	29.04	17.08	.10	.79	19.25	.82	.19
1977	13.44	1.84	.94	2.10	.25	7.70	26.27	16.52	.09	1.27	19.21	.63	.18
1978	13.45	1.62	.81	2.12	.24	8.32	26.56	18.00	.07	1.02	20.20	.54	.18
1979	12.61	1.62	.68	1.97	.25	7.56	24.69	17.24	.08	1.23	20.98	.69	.13
1980	15.84	1.97	.71	1.95	.37	8.02	28.86	19.24	.10	.82	20.79	.70	.14
1981	13.57	1.26	.81	2.05	.40	6.89	24.98	17.20	.10	2.16	21.49	.55	.21
1982	12.71	1.31	.69	2.11	.39	7.51	24.72	17.65	.08	1.50	22.53	.53	.21
1983	16.08	1.46	.72	2.37	.60	8.17	29.40	18.44	.08	1.94	21.21	.76	.14
1984	12.77	1.44	.61	2.22	.56	6.37	23.97	18.57	.12	2.21	22.13	.73	.13
1985	12.27	0.94	.55	2.35	.66	5.80	22.57	17.46	.16	1.88	23.41	.43	.13
1986	14.47	1.09	.50	2.62	.70	6.57	25.95	18.08	.10	1.57	25.72	.49	.14
1987	13.95	1.28	.48	2.57	.65	6.72	25.65	21.24	.08	2.37	24.92	.73	.12
1988	15.43	1.25	.51	2.53	.68	6.73	27.13	19.87	.10	1.64	24.16	.51	.11
1989 5/	12.59	1.20	.49	2.45	.80	6.86	24.39	21.60	.09	1.52	24.56	.53	.10
Noncitrus-continued													
Figs	Grapes	Kiwi-fruit 2/	Mangos	Nectar-ines	Peaches	Pears	Pine-apples	Papayas	Plums and prunes	Straw-berries	Miscel-laneous fruit 3/	Total non-citrus 4/	Total fruit 4/
--Pounds--													
1970	0.01	2.50	N.A.	0.05	0.58	5.82	1.90	0.70	0.12	1.47	1.73	0.09	50.61
1971	.01	2.23	N.A.	.07	.61	5.66	2.54	.64	.10	1.28	1.83	.09	51.36
1972	.03	2.22	N.A.	.07	.82	3.88	2.28	.78	.11	1.08	1.67	.08	47.52
1973	.04	2.68	N.A.	.10	.72	4.26	2.57	.92	.14	1.14	1.58	.08	50.36
1974	.05	2.85	N.A.	.11	.95	4.36	2.48	.90	.16	1.50	1.83	.09	51.62
1975	.03	3.20	N.A.	.15	.89	4.98	2.74	1.03	.16	1.33	1.80	.09	55.60
1976	.02	3.23	N.A.	.16	1.00	5.14	2.84	1.15	.20	1.25	1.66	.07	54.95
1977	.03	3.17	N.A.	.13	1.25	5.09	2.38	1.36	.25	1.55	1.91	.04	55.06
1978	.03	3.09	N.A.	.14	1.15	5.01	2.34	1.45	.25	1.56	2.16	.01	57.20
1979	.03	3.54	N.A.	.19	1.36	5.44	2.31	1.47	.17	1.70	1.90	.01	58.47
1980	.02	3.81	N.A.	.23	1.62	5.67	2.64	1.50	.21	1.60	2.01	.04	61.14
1981	.01	4.01	N.A.	.22	1.52	5.52	2.85	1.57	.22	1.78	2.24	.10	61.75
1982	.01	6.19	N.A.	.31	1.41	3.95	2.88	1.66	.16	1.09	2.44	.14	62.74
1983	.01	6.00	0.15	.44	1.50	4.06	3.03	1.70	.18	1.49	2.40	.08	63.61
1984	.02	6.48	.15	.39	1.49	5.42	2.62	1.52	.26	1.97	3.07	.17	67.45
1985	.01	7.45	.18	.39	1.68	4.00	2.84	1.48	.18	1.53	3.09	.17	66.47
1986	.01	7.27	.20	.48	1.35	4.63	3.05	1.75	.18	1.36	3.00	.14	69.52
1987	.01	7.63	.28	.54	1.50	4.71	3.62	1.71	.19	2.05	3.24	.11	75.05
1988	.01	8.03	.26	.37	1.53	5.09	3.27	1.81	.16	1.76	3.10	.07	71.85
1989 5/	.01	6.85	.38	.42	1.45	4.20	3.37	1.95	.14	1.50	3.32	.19	72.18

N.A.= Not available.

1/ All data are on calendar year basis except for citrus fruits, October or November; apples, August; grapes and pears, July; prior to years indicated. 2/ Reported separately beginning 1983. 3/ Includes olives, persimmons, pomegranates, kiwifruit (until 1983), and other fruit. 4/ Some figures may not add due to rounding. 5/ Preliminary.

Source: Commodity Economics Division, ERS, USDA.

Table 104--Canned fruit: Per capita consumption, product weight basis, 1970 to date 1/

Season 2/	Apricots	Cherries 3/	Salad and cocktail	Peaches	Pears	Plums and Prunes	Olives	Total 4/
--Pounds--								
1970	0.82	0.33	2.53	5.68	1.78	0.29	0.96	12.39
1971	.68	.30	2.70	5.45	2.09	.28	.94	12.44
1972	.69	.29	5.03	5.03	2.11	.16	.84	11.99
1973	.81	.17	3.27	4.45	2.09	.24	.89	11.92
1974	.46	.24	2.77	5.35	1.74	.22	.81	11.59
1975	.64	.24	2.74	4.93	1.99	.22	.93	11.69
1976	.62	.14	2.74	4.72	2.22	.26	.98	11.68
1977	.53	.15	2.86	4.87	2.01	.20	1.14	11.76
1978	.45	.11	2.63	4.14	1.74	.22	1.62	10.91
1979	.48	.12	2.59	4.12	1.78	.17	.92	10.18
1980	.51	.08	2.57	4.05	1.84	.14	1.00	10.19
1981	.38	.09	2.37	3.54	1.73	.16	.83	9.10
1982	.32	.11	2.39	3.64	1.78	.15	.99	9.38
1983	.29	.10	2.04	2.89	1.65	.12	1.15	8.24
1984	.31	.10	2.11	3.13	1.43	.10	1.16	8.34
1985	.35	.11	2.09	3.14	1.31	.11	1.31	8.42
1986	.20	.06	2.21	3.22	1.54	.11	1.36	8.70
1987	.24	.09	2.22	3.25	1.56	.12	1.39	8.77
1988	.25	.09	2.26	3.45	1.62	.13	1.04	8.84

1/ Data no longer available due to the lack of industry disclosure of pack and stocks.

2/ Season beginning June 1 for year indicated, for all items except cherries, tart, July 1, and olives, August 1.
3/ Includes sweet and tart cherries. Numbers revised to exclude cherries in brine for the entire 1970 to 1988 period.

4/ Some figures may not add due to rounding.

Source: Commodity Economics Division, ERS, USDA.

Table 105--Frozen fruit: Per capita consumption, product weight basis, 1970 to date

Year	Black- berries	Blue- berries	Rasp- berries	Straw- berries	Other berries	Apples	Apricots	Cherries	Grapes and pulp	Peaches	Miscel- laneous 1/	Total 2/
--Pounds--												
1970	0.10	0.21	0.16	1.19	0.06	0.47	0.06	0.61	0.03	0.28	0.17	3.34
1971	.16	.18	.16	1.41	.07	.53	.06	.68	.01	.26	.15	3.68
1972	.11	.18	.12	1.35	.06	.66	.04	.64	.01	.31	.15	3.63
1973	.08	.16	.10	1.19	.05	.61	.08	.81	.04	.28	.16	3.51
1974	.06	.14	.09	1.13	.04	.33	.06	.49	.07	.28	.13	2.76
1975	.08	.19	.09	1.40	.04	.45	.07	.44	.01	.28	.15	3.19
1976	.12	.13	.13	1.28	.05	.39	.06	.67	.01	.13	.10	3.07
1977	.12	.13	.13	1.16	.04	.44	.07	.62	.02	.28	.18	3.19
1978	.10	.11	.10	1.37	.05	.39	.07	.64	.02	.27	.16	3.28
1979	.06	.13	.08	1.13	.03	.33	.06	.52	.01	.21	.12	2.68
1980	.02	.18	.08	1.39	.03	.35	.05	.48	.03	.27	.16	3.06
1981	.04	.17	.08	1.32	.02	.37	.05	.49	.02	.19	.13	2.88
1982	.09	.11	.07	1.14	.02	.43	.06	.61	.01	.23	.16	2.93
1983	.08	.07	.07	1.17	.02	.32	.07	.63	.04	.31	.15	2.92
1984	.04	.04	.06	1.24	.02	.38	.06	.58	.03	.28	.10	3.02
1985	.06	.22	.10	1.21	.02	.35	.07	.58	.03	.40	.13	3.27
1986	.04	.38	.09	1.26	.03	.40	.07	.66	.01	.41	.20	3.55
1987	.05	.29	.07	1.28	.02	.53	.08	1.00	.04	.27	.27	3.86
1988	.08	.20	.09	1.32	.02	.50	.06	.72	.01	.33	.44	3.78
1989	.11	.31	.17	1.50	.03	.71	.07	.74	.04	.44	.69	4.77

1/ Includes prunes and plums, other miscellaneous fruits, and berries.

2/ Some figures may not add due to rounding.

3/ Negligible.

4/ Included in miscellaneous fruits.

Source: Commodity Economics Division, ERS, USDA.

Table 106--Dried fruit: Per capita consumption, product weight basis, 1970/71 to date

Source: Commodity Economics Division, ERS, USDA

Table 107--Canned and chilled fruit juices (excluding frozen): Per capita consumption, single-strength basis, 1970 to date 1/

- NO | [cancel](#)

- = No longer reported.
/ = Chilled fruit juice produced commercially
/ = Canned and chilled season beginning October prior to year indicated; calendar year for noncitrus juice.
/ = Citrus canned and chilled season beginning October prior to year indicated; calendar year for noncitrus juice.
/ = Fresh fruit juice or frozen juice produced for local sale.
/ = Some figures may not add due to rounding.

/ Includes orange juice processed only from Flor

Table 108--Frozen citrus juices: Per capita consumption, product weight and single-strength basis, 1970 to date 1/

Year	Product weight	Single strength	Grapefruit			Lemon			Lemonade base			Tangerine			Total 2/
			Product weight	Single strength	--Pounds--										
1970	5.88	20.73	0.21	0.74	0.01	0.06	0.33	0.24	0.05	0.18	6.48	7.51	21.94	25.55	
1971	6.87	24.22	.23	.81	.02	.09	.34	.25	.05	.18	7.62	8.62	29.35	28.53	
1972	7.86	27.71	.31	1.09	.02	.09	.38	.28	.05	.18	8.45	8.45	31.14	31.14	
1973	7.62	26.86	.31	1.09	.01	.06	.46	.34	.05	.14	9.16	9.16	34.96	34.96	
1974	8.36	29.47	.33	1.16	.01	.06	.42	.31	.04	.14	10.67	10.67	35.12	35.12	
1975	9.30	32.78	.28	.99	.06	.26	.97	.72	.06	.21	10.36	10.36	36.62	36.62	
1976	9.74	34.33	.08	.28	.3/	.02	.51	.38	.03	.11	10.68	10.68	36.62	36.62	
1977	9.68	34.12	.52	1.83	.03	.14	.38	.28	.07	.25	9.12	9.12	30.32	30.32	
1978	7.81	27.53	.51	1.80	.06	.25	.67	.50	.07	.25	9.73	9.73	32.91	32.91	
1979	8.60	30.32	.51	1.80	.05	.21	.51	.38	.06	.21	9.73	9.73	32.91	32.91	
1980	9.01	31.76	.43	1.52	.02	.09	.24	.18	.06	.21	9.76	9.76	33.76	33.76	
1981	8.55	30.14	.66	2.33	.04	.17	.37	.27	.09	.32	9.71	9.71	33.23	36.88	
1982	9.43	33.24	.72	2.54	.06	.25	.72	.53	.09	.32	11.02	11.02	41.59	41.59	
1983	10.59	38.74	.66	2.33	.04	.17	.38	.28	.02	.07	12.09	12.09	35.57	35.57	
1984	9.48	33.42	.45	1.59	.04	.17	.39	.29	.03	.11	11.81	11.81	40.32	40.32	
1985	10.25	36.13	1.00	3.53	.05	.21	.48	.36	.03	.11	12.47	12.47	43.06	43.06	
1986	11.25	39.66	1.73	2.57	.13	.48	.33	.24	.03	.11	11.61	11.61	39.98	39.98	
1987	10.14	35.74	1.01	3.56	.07	.28	.35	.26	.04	.14	11.63	11.63	39.90	39.90	
1988	10.54	37.15	.60	2.12	.07	.27	.40	.30	.02	.07	10.41	10.41	35.91	35.91	
1989	9.02	31.80	1.05	3.70	.03	.13	.29	.21	.02	.07	10.41	10.41	35.91	35.91	

1/ Product weight includes concentrated and single-strength juices. Concentrated fruit juices converted to single-strength on basis of 3.525 pounds to 1.
 Lemonade base, 0.74 to 1.
 2/ Some figures may not add due to rounding.
 3/ Negligible.

Source: Commodity Economics Division, ERS, USDA.

Table 109--Apples: Per capita utilization plus imports and minus exports, fresh weight equivalent, by product, 1970/71 to date 1/

Season 2/	Fresh 3/	Canned	Juice	Frozen	Dry	Other	Total
--Pounds--							
1970/71	17.07	5.64	6.36	0.98	0.90	0.70	31.65
1971/72	16.49	5.27	7.02	.91	.48	.63	30.80
1972/73	15.62	4.67	5.44	1.12	.64	.65	28.12
1973/74	16.19	5.97	6.63	1.22	1.12	.60	29.72
1974/75	16.46	5.75	5.91	.85	.91	.95	30.82
1975/76	19.53	4.75	6.87	.95	1.04	.42	33.57
1976/77	17.11	4.26	6.30	1.01	1.07	.33	30.08
1977/78	16.55	4.88	7.87	.73	.99	.55	31.58
1978/79	18.06	5.51	9.57	.93	.99	.83	35.88
1979/80	17.31	5.92	10.63	.60	1.11	.57	36.14
1980/81	19.32	5.27	13.00	.73	.82	.72	39.86
1981/82	17.27	4.35	11.51	.75	.82	.38	35.07
1982/83	17.71	5.36	14.55	.82	.85	.50	39.78
1983/84	18.48	5.12	15.79	.72	1.21	.40	41.73
1984/85	18.66	4.99	18.34	.83	1.26	.43	44.51
1985/86	17.52	5.25	18.35	.81	1.15	.31	43.38
1986/87	18.42	4.89	18.10	1.06	.83	.37	43.67
1987/88	21.28	5.36	19.34	1.02	1.20	.30	48.49
1988/89	19.87	5.68	19.04	1.07	1.20	.27	47.14

1/ Season beginning August 1.

2/ Per capita numbers only approximate the trend and general level of consumption over time. Year-to-year changes in processed items do not reflect changes in stocks; therefore, the numbers do not reflect actual year-to-year changes in consumption.

3/ Per capita numbers include shipments to territories.

Source: Commodity Economics Division, ERS, USDA.

Table 110--Pineapples: Per capita utilization adjusted for imports and exports, fresh weight equivalent, 1970 to date 1/

Calendar year	Total fresh	Total processed	Total
--Pounds--			
1970	0.70	11.13	11.84
1971	.65	11.08	11.73
1972	.78	10.62	11.42
1973	.92	8.69	9.63
1974	.90	7.83	8.75
1975	1.03	9.10	10.15
1976	1.15	9.12	10.30
1977	1.36	9.56	10.97
1978	1.45	9.37	10.88
1979	1.47	10.55	12.07
1980	1.50	10.57	12.10
1981	1.57	9.69	11.31
1982	1.66	9.79	11.47
1983	1.70	9.71	11.43
1984	1.52	9.05	10.59
1985	1.48	10.70	12.24
1986	1.75	11.97	13.76
1987	1.71	11.53	13.27
1988	1.81	11.42	13.26
1989	1.96	10.09	12.08

1/ Per capita numbers do not reflect changes in stocks and, therefore, the numbers do not reflect year-to-year changes in consumption. However, the numbers do approximate the trend and level of consumption over time.

Source: Commodity Economics Division, ERS, USDA.

Table 111--Tree nuts (shelled basis): Per capita consumption, 1970/71 to date

Season 1/	Almonds	Filberts	Pecans	Walnuts	Macadamias	Pistachios 2/	Other 3/	Total 4/
--Pounds--								
1970/71	0.34	0.05	0.40	0.36	0.02	N.A.	0.59	1.76
1971/72	.36	.06	.44	.41	.02	N.A.	.61	1.90
1972/73	.36	.07	.43	.39	.02	N.A.	.71	1.98
1973/74	.26	.10	.43	.39	.02	N.A.	.57	1.77
1974/75	.26	.04	.39	.42	.02	N.A.	.45	1.58
1975/76	.35	.08	.39	.51	.03	N.A.	.60	1.96
1976/77	.42	.07	.33	.51	.03	N.A.	.55	1.91
1977/78	.45	.07	.37	.48	.03	0.04	.28	1.72
1978/79	.39	.08	.39	.37	.03	.04	.42	1.72
1979/80	.37	.04	.46	.42	.04	.04	.38	1.75
1980/81	.42	.05	.43	.50	.04	.05	.32	1.81
1981/82	.50	.05	.45	.52	.04	.04	.33	1.93
1982/83	.58	.07	.48	.47	.05	.05	.46	2.16
1983/84	.56	.05	.48	.48	.05	.07	.52	2.21
1984/85	.60	.07	.53	.48	.05	.11	.47	2.31
1985/86	.68	.07	.47	.48	.05	.12	.45	2.32
1986/87	.53	.04	.54	.49	.06	.11	.46	2.23
1987/88	.57	.06	.53	.46	.06	.09	.40	2.18
1988/89	.65	.07	.50	.48	.06	.12	.42	2.31
1989/90 5/	.71	.06	.51	.47	.07	.11	.43	2.35

N.A.= not available

1/ Beginning August of year indicated for filberts (hazelnuts) and walnuts, September for pistachios, January for macadamias and July for all others. 2/ Estimates begin in 1977. 3/ Includes the following nuts: Brazil, pignolias, pistachios (until 1977), chestnuts, cashews, and miscellaneous. 4/ Some figures may not add due to rounding. 5/ Preliminary estimates.

Source: Commodity Economics Division, ERS, USDA.

The United States Faces Strong Competition For World Trade in Most Major Fruits

The United States exports a variety of fresh fruits to world markets, but is the dominant supplier only for fresh grapefruit.

Trade data available from the Food and Agriculture Organization of the United Nations (FAO) can be used to determine the relative importance of U.S. exports of various fresh fruits. Currently, major U.S. fresh fruit exports in terms of value include apples, grapes, peaches, nectarines, pears, grapefruit, lemons, oranges, and tangerines. The U.S. also exports a significant quantity of frozen concentrated orange juice (FCOJ), among other processed fruits.

Although exports of the above commodities are important to U.S. producers, the United States currently accounts for a relatively small share of total world exports. However, the United States is the dominant grapefruit exporter, providing 42 percent of total world exports in 1988 (tables 112 through 121).

U.S. Tree Nut Imports Rise, Exports Decline

U.S. imports of all tree nuts reached an estimated 147 million pounds during the 1989/90 marketing season (July/June), up 16 percent from the prior season. Cashews and Brazil nuts comprised most of the imports. Pecan and macadamia imports increased substantially.

U.S. tree nut exports during 1989/90 totaled an estimated 442 million pounds, down 2 percent from 1988/89. Almond, hazelnut, and pistachio exports fell significantly, but exports of walnuts, macadamias, and pecans rose moderately.

Figure 11

U.S. Share of World Export Volume for Selected Fresh Fruit, 1988

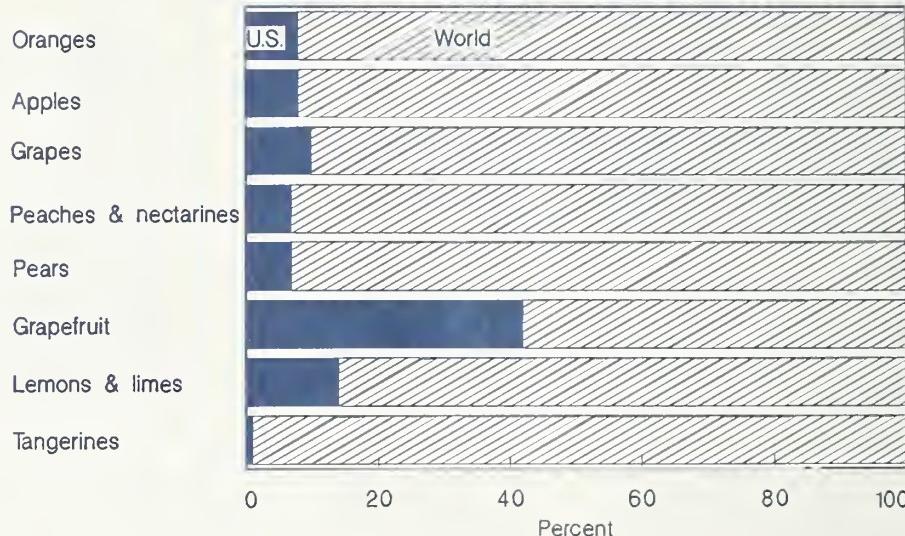


Table 112--Apples: Exports from major exporting countries, 1970 to date

Calendar year	France	Hungary	Italy	United States	Argentina	Nether-lands	New Zealand	Belgium/Luxembourg	Other	Total World
--Metric tons--										
--1,000 dollars--										
Quantity										
1970	258,767	289,574	70,800	49,711	199,692	83,243	121,604	54,599	41,110	2,135,649
1971	495,036	365,827	88,600	50,893	210,682	98,896	131,298	52,148	43,815	2,305,642
1972	616,155	324,797	85,400	58,106	228,125	130,796	175,581	58,012	49,830	2,670,472
1973	591,276	373,053	96,400	81,427	69,599	119,309	151,101	66,844	58,556	2,464,134
1974	625,199	385,923	90,700	85,509	280,041	136,621	145,591	66,410	538,217	2,707,024
1975	585,256	359,847	168,400	110,722	245,549	154,306	171,769	49,043	499,374	2,751,247
1976	639,452	399,057	464,400	82,700	117,811	268,557	123,014	193,115	72,577	2,929,490
1977	496,006	470,113	582,745	85,500	145,058	325,622	155,559	119,107	59,689	524,072
1978	546,429	356,077	376,125	94,100	150,107	357,023	158,969	192,123	80,554	58,586
1979	794,389	380,323	303,440	104,200	214,040	317,014	132,110	173,740	83,983	54,074
1980	680,151	409,521	327,254	106,200	256,356	268,381	160,382	178,320	92,577	76,074
1981	693,444	560,735	404,127	62,200	307,835	227,734	171,217	166,708	69,533	664,726
1982	624,997	419,870	341,529	60,144	264,391	232,574	133,433	221,978	96,439	825,299
1983	563,173	462,554	437,323	56,178	213,770	213,770	147,443	143,896	67,308	1,120,602
1984	615,680	339,509	390,593	44,011	214,967	178,245	153,255	231,097	125,202	83,736
1985	652,942	300,461	352,543	55,188	191,461	200,078	164,393	199,620	146,755	1,092,694
1986	620,281	429,280	307,403	48,355	189,347	133,859	172,341	209,000	156,249	925,708
1987	762,366	395,735	346,646	60,366	227,795	201,511	191,606	189,500	166,188	1,172,645
1988	706,606	340,901	339,772	1/ 70,000	306,494	1/ 210,000	200,052	221,000	119,598	959,445
Value										
1970	64,803	39,838	8,400	10,792	38,471	15,419	27,923	9,998	5,748	73,777
1971	79,750	50,952	11,000	11,529	39,476	22,827	29,171	9,637	8,136	76,294
1972	122,780	80,264	12,000	14,253	42,139	32,430	39,193	12,262	11,254	49,797
1973	152,800	92,759	15,000	24,435	32,526	42,381	35,599	15,886	18,769	613,553
1974	146,222	82,510	85,332	16,000	28,151	74,275	45,845	42,245	18,512	673,566
1975	176,745	107,883	142,139	20,000	38,255	89,151	67,954	48,619	26,114	114,702
1976	161,827	102,421	115,358	21,000	39,257	93,616	46,481	55,894	22,004	127,815
1977	214,443	112,343	212,380	26,500	58,566	117,797	65,358	31,649	15,705	20,220
1978	231,036	96,810	191,322	35,800	70,072	151,661	85,563	72,515	26,122	123,662
1979	290,284	114,968	129,601	42,000	109,638	143,833	71,725	69,326	31,495	800,760
1980	310,951	93,193	158,516	45,000	131,390	130,744	100,086	81,831	35,183	45,824
1981	309,077	115,926	151,452	25,300	172,843	116,854	97,406	81,387	44,604	36,009
1982	285,531	92,619	172,883	20,177	151,804	110,945	102,015	102,125	41,886	44,062
1983	229,478	71,127	139,676	19,906	137,721	72,427	71,682	59,953	41,708	34,382
1984	207,395	58,924	132,441	14,810	119,717	55,212	73,079	85,855	57,276	31,375
1985	230,687	49,634	111,768	19,670	101,647	57,494	72,812	48,858	51,924	49,555
1986	309,738	79,324	151,913	21,178	107,561	65,490	99,818	87,900	62,090	59,132
1987	387,617	69,764	163,918	25,880	107,049	66,550	122,635	82,300	66,869	348,443
1988	371,860	57,219	167,823	1/ 33,000	148,340	1/ 68,000	137,070	98,000	64,951	92,311

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 113--Bananas: Exports from major exporting countries, 1970 to date

Calendar Year	Ecuador	Colombia	Costa Rica	Honduras	Philipines	Panama	Guatemala	Taiwan	United States 1/	Côte d'Ivoire	Other	Total World
										--Metric tons--		
Quantity												
1970	1,246,332	261,857	855,974	799,225	1,06,792	600,118	200,446	212,414	191,099	140,460	1,116,551	5,731,268
1971	1,350,600	229,087	922,259	1,048,073	267,242	621,122	237,326	355,733	180,081	137,128	1,112,873	6,461,524
1972	1,406,800	212,476	1,077,854	925,168	422,421	603,730	272,560	249,507	187,823	144,967	1,188,482	6,687,556
1973	1,368,223	214,764	1,178,511	898,786	554,423	554,423	265,282	298,921	188,159	144,967	1,188,855	6,716,208
1974	1,356,706	336,329	1,037,553	705,997	662,999	423,082	143,727	143,727	194,959	174,659	1,228,857	6,563,269
1975	1,384,486	371,736	1,105,118	822,742	822,742	495,978	242,370	105,700	187,145	135,451	1,119,479	6,333,370
1976	937,259	456,804	645,413	645,413	645,413	523,763	304,655	628	200,547	187,287	1,174,303	6,291,389
1977	1,317,733	455,479	1,002,916	767,157	692,889	547,448	286,060	127,665	199,382	106,083	1,094,988	6,597,570
1978	1,223,785	622,345	1,058,022	754,958	776,496	627,489	297,832	81,145	200,575	143,999	1,200,667	6,987,313
1979	1,170,104	626,415	1,024,869	958,606	858,606	564,367	243,989	102,418	197,484	116,473	1,039,029	6,902,400
1980	1,290,621	691,608	973,190	972,942	922,707	504,229	370,572	96,126	205,422	121,976	736,976	6,886,369
1981	1,229,555	802,985	1,002,338	785,525	868,556	826,684	570,823	380,411	87,287	216,847	111,391	6,915,723
1982	1,261,284	804,180	1,012,891	898,728	898,728	863,207	449,428	91,396	209,521	91,706	517,431	7,126,456
1983	909,956	786,927	1,010,000	698,476	643,375	650,418	316,120	117,525	187,573	79,834	872,645	6,22,849
1984	924,355	1,029,823	1,029,817	748,520	799,649	654,626	320,934	202,449	99,631	962,055	6,895,184	
1985	1,075,027	1,783,039	835,800	844,400	844,400	685,060	363,233	131,843	197,241	111,438	920,210	6,736,542
1986	1,365,284	987,32	885,52	885,743	771,902	855,743	586,874	88,598	162,664	91,725	1,100,621	7,232,857
1987	1,374,319	993,977	985,89	884,560	774,983	675,772	337,272	118,067	187,568	84,865	1,075,475	7,494,287
1988	1,516,700	977,726	975,000	880,000	880,000	866,793	657,060	2/	350,000	98,586	180,260	81,960
Value												
1970	83,299	18,075	66,771	71,304	6,084	60,831	13,554	31,077	32,014	10,825	103,002	493,065
1971	101,155	14,449	63,983	91,921	15,789	62,707	14,492	43,156	29,477	10,825	103,244	551,009
1972	109,009	13,713	82,330	23,474	64,742	64,705	17,492	30,273	30,822	13,686	126,720	594,955
1973	109,418	25,377	90,682	80,242	27,831	63,824	18,803	29,046	31,934	13,660	148,300	629,161
1974	113,528	31,612	98,553	51,530	45,479	49,549	21,427	19,635	35,924	15,252	171,593	647,647
1975	138,652	103,224	144,661	106,659	106,720	75,618	61,498	21,747	20,561	44,140	14,020	204,478
1976	148,660	40,886	150,641	128,667	128,667	72,661	66,453	21,747	19,038	49,916	13,188	226,127
1977	150,235	80,522	139,222	169,870	139,222	71,637	22,273	17,604	53,804	53,700	222,688	949,202
1978	156,539	79,612	190,511	190,948	96,685	65,675	18,462	24,216	63,479	16,537	256,814	1,093,469
1979												1,159,478
1980	195,591	94,141	207,533	230,696	114,184	61,566	48,844	25,665	71,505	49,877	180,806	1,280,408
1981	207,879	122,130	224,776	198,460	124,024	69,188	54,483	25,121	75,896	29,142	247,559	1,378,858
1982	213,297	151,119	228,140	219,100	146,108	146,108	38,619	61,169	72,983	19,436	238,764	1,454,715
1983	152,926	147,696	215,380	198,246	104,725	74,989	32,964	72,380	57,043	14,542	258,555	1,344,551
1984	136,460	197,915	232,250	122,256	74,650	74,650	40,759	70,640	42,994	15,980	262,825	1,463,656
1985	186,341	156,165	273,480	113,592	78,079	78,079	42,080	73,273	33,969	28,973	405,007	1,483,453
1986	266,263	199,842	217,485	256,959	130,222	70,398	73,360	73,360	72,078	1,100,621	1,754,556	
1987	261,699	210,334	228,611	327,638	121,243	85,900	74,610	54,496	83,413	25,259	436,073	1,909,276
1988	292,189	252,599	235,550	302,000	146,013	76,539	70,000	44,558	79,357	23,000	471,839	1,993,344

1/ Largely transhipments.
2/ FAO estimate.

Source: FAO Trade Data Tape.

Table 114--Grapes: Exports from major exporting countries, 1970 to date

Calendar Year	Italy	Chile	United States	Spain	Greece	Bulgaria	South Africa	Romania	Mexico	Lebanon	Other	Total World
Quantity						-Metric tons--						
244,182 1970	15,861	107,024	129,731	13,443	116,805	28,347	46,100	771	4,804	158,086	865,154	
273,736 1971	17,445	130,727	132,645	25,914	142,500	30,457	63,300	1,008	6,976	164,300	989,008	
224,833 1972	13,516	103,516	124,156	25,876	90,326	34,091	30,200	2,164	7,490	12,387	782,491	
269,880 1973	13,672	103,149	111,790	17,320	147,109	25,838	58,400	2,663	5,692	11,962	875,600	
271,803 1974	17,511	108,245	88,991	34,871	138,334	27,331	51,600	2,663	10,478	13,988	891,346	
322,725 1975	25,167	112,446	136,350	42,920	87,667	28,024	43,827	3,463	7,500	14,334	953,423	
219,741 1976	105,334	134,095	47,900	93,818	27,289	37,600	3,956	6,327	16,805	875,093		
337,953 1977	37,284	104,173	82,300	48,975	73,294	21,020	43,300	7,881	6,734	13,036	893,750	
379,165 1978	51,055	100,062	49,876	91,663	24,750	51,300	6,717	21,000	14,394	969,281		
469,997 1979	50,646	117,125	80,017	42,166	64,142	35,900	39,700	10,171	23,842	14,994	1,083,700	
Value						-Metric tons--						
42,520 1970	4,033	28,006	20,599	2,425	15,504	12,361	5,783	152	552	30,634	163,569	
54,643 1971	4,519	36,116	21,106	4,624	1,810	15,812	7,917	201	802	35,579	197,129	
50,084 1972	4,317	42,795	20,821	4,356	11,700	14,552	6,394	408	917	35,940	190,284	
76,856 1973	4,357	48,218	20,717	7,345	26,500	12,778	10,337	499	1,047	44,583	249,207	
86,058 1974	5,780	51,202	20,202	9,278	27,500	19,526	8,507	470	1,000	53,054	290,616	
124,269 1975	51,001	51,219	57,552	15,667	23,000	19,164	1,164	8,244	1,800	50,683	326,304	
83,267 1976	15,249	57,231	49,505	16,197	23,000	18,146	1,164	9,500	1,800	61,825	336,504	
179,873 1977	19,554	60,779	30,555	20,564	21,600	17,062	1,162	13,000	990	1,243	63,530	
178 1978	263,068	44,700	66,995	20,554	21,555	21,400	17,400	17,400	17,400	1,294	78,750	
1979	263,068	44,700	66,995	21,118	16,915	22,400	16,000	16,000	16,000	1,294	43,345	
Value						--1,000 dollars--						
1980	51,800	85,868	38,666	27,766	1,19,000	48,455	1,25,600	1,169	1,700	11,689	655,246	
1981	929	97,202	45,367	39,140	1,28,800	42,145	1,21,200	1,084	1,084	10,000	669,991	
1982	95,238	99,093	37,656	46,734	1,21,000	45,778	1,24,600	4,316	4,316	10,000	665,258	
1983	116,636	90,560	30,198	46,912	1,13,800	50,083	1,13,700	4,672	4,672	10,000	717,803	
1984	169,167	93,175	40,941	57,872	1,14,800	34,980	1,13,700	5,880	5,880	10,500	737,803	
1985	224,047	83,442	40,433	51,005	1,20,000	25,892	1,18,000	11,879	11,879	9,000	817,153	
1986	249,033	108,728	67,515	51,239	1,19,000	31,500	1,17,794	11,000	11,000	8,000	980,231	
1987	275,700	120,836	111,884	93,119	48,860	44,400	28,000	29,000	29,000	1,313	152,796	
1988	315,100	151,146	110,000	80,534	36,034	47,000	1,30,000	30,000	30,000	1,30,000	1,296,070	

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 115--Peaches and nectarines: Exports from major exporting countries, 1970 to date

Calendar year	Italy	Greece	Spain	Chile	United States	France	Other	Total world
--Metric tons--								
Quantity								
1970	255,498	67,343	2,076	4,217	19,507	42,820	76,995	468,456
1971	246,692	58,302	6,350	2,743	18,826	75,310	63,718	471,241
1972	264,957	86,035	13,608	1,636	23,464	63,568	87,540	540,808
1973	213,877	83,405	16,175	1,382	27,636	77,636	59,388	479,499
1974	224,674	97,538	20,040	2,685	24,556	34,748	56,362	460,603
1975	300,730	166,168	16,977	4,192	24,623	1,653	69,670	584,013
1976	363,723	89,292	17,758	9,306	28,703	46,386	44,347	599,515
1977	317,584	146,580	9,848	7,845	28,409	14,472	43,238	567,976
1978	278,432	89,636	19,938	7,492	29,685	24,076	48,867	498,126
1979	346,790	72,928	12,822	6,054	31,165	21,056	29,430	520,245
1980	283,584	94,682	15,202	9,756	28,926	34,425	39,839	506,414
1981	335,613	63,951	19,188	9,194	35,659	29,518	51,232	544,355
1982	365,496	92,821	13,179	12,816	31,223	20,922	52,282	588,739
1983	436,056	58,264	17,754	18,491	25,588	24,176	53,899	634,228
1984	391,761	62,805	16,767	23,359	23,931	30,062	45,198	593,883
1985	386,367	64,051	29,318	38,125	22,176	31,917	42,479	614,433
1986	352,563	64,966	34,468	39,154	27,108	32,364	47,505	598,128
1987	434,032	61,797	54,606	44,391	29,526	34,227	48,798	707,377
1988	373,919	1/ 63,000	54,612	52,893	44,237	30,700	50,656	670,017
--1,000 dollars--								
Value								
1970	57,462	11,423	234	1,080	4,824	12,410	13,696	101,129
1971	62,407	9,966	696	584	4,787	19,969	10,892	109,301
1972	76,219	14,237	1,585	399	7,025	20,030	16,587	136,082
1973	92,249	26,861	2,153	448	8,606	31,232	13,642	175,191
1974	88,761	37,121	2,677	1,068	10,336	17,530	15,509	173,002
1975	197,103	67,708	5,629	2,090	10,865	1,453	29,380	316,228
1976	127,609	36,788	5,132	4,687	11,998	20,151	14,756	221,121
1977	195,582	71,679	2,939	3,735	11,985	11,002	16,229	313,151
1978	179,883	48,696	5,668	4,636	13,936	18,023	19,105	289,947
1979	236,456	43,676	8,789	3,794	13,557	19,025	13,922	339,219
1980	226,859	56,931	18,133	7,041	17,006	33,852	19,511	379,333
1981	200,236	45,843	13,935	7,900	19,833	20,493	23,768	332,008
1982	232,331	61,836	10,501	9,483	19,656	18,470	25,570	377,847
1983	263,948	29,825	13,295	11,519	16,338	16,713	25,673	377,311
1984	209,718	30,608	11,224	19,296	15,047	16,971	22,047	324,911
1985	207,612	24,903	21,096	23,117	15,351	20,571	21,049	333,699
1986	275,606	32,661	22,737	31,595	17,767	31,194	29,306	440,866
1987	341,614	33,680	40,025	33,200	18,533	35,874	34,310	537,236
1988	315,122	1/ 32,000	54,314	39,700	29,215	40,479	37,260	548,090

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 116--Pears: Exports from major exporting countries, 1970 to date

Calendar year	Argentina	Netherlands	South Africa	France	Chile	China	United States	Belgium/Luxembourg	Australia	Other	Total world
Quantity							-Metric tons--				
1970	37,947	27,705	249,866	28,271	43,402	5,450	52,300	20,606	6,751	36,888	59,219
1971	28,284	29,431	251,903	30,994	62,709	7,297	55,000	25,177	10,201	34,486	54,662
1972	35,538	32,095	288,885	38,246	50,390	5,279	60,000	27,645	8,201	34,434	75,131
1973	11,739	22,186	224,020	33,882	80,391	4,052	56,000	37,446	8,859	42,309	84,049
1974	44,528	44,436	284,717	22,724	40,177	5,375	60,000	34,195	12,865	33,357	605,049
1975	32,814	35,887	241,419	29,794	40,189	8,925	58,000	34,052	20,771	21,864	650,138
1976	47,970	34,435	207,193	36,712	44,687	13,579	57,000	32,986	13,382	31,867	608,984
1977	68,642	45,940	226,126	39,841	38,747	11,983	55,000	35,262	14,709	24,066	588,747
1978	77,751	50,365	114,574	45,439	15,828	57,000	55,000	35,889	18,219	23,592	641,424
1979	66,911	50,365	158,553	41,505	67,217	20,454	64,000	39,403	19,332	31,980	642,648
1980	47,638	52,079	145,616	41,010	76,941	25,612	53,000	44,173	19,982	32,735	629,260
1981	36,328	51,955	173,730	48,750	91,617	25,612	61,000	53,975	28,417	36,073	629,260
1982	62,749	57,600	113,452	45,645	71,155	27,982	65,000	42,285	22,930	23,247	630,349
1983	68,937	61,625	126,758	54,562	79,487	22,100	69,000	30,879	36,647	27,983	674,888
1984	51,988	56,830	116,912	48,400	85,094	27,951	70,000	31,697	33,303	22,746	69,712
1985	76,753	68,34	85,968	46,800	92,432	33,207	60,000	28,169	41,344	30,930	98,289
1986	51,336	70,143	76,266	46,700	58,123	45,022	50,433	37,902	43,270	35,091	111,359
1987	97,220	70,024	73,761	69,400	116,763	44,724	53,470	39,457	39,874	35,833	625,645
1988	116,000	90,114	82,966	80,000	70,383	62,874	60,000	54,484	55,678	38,000	762,668
											818,460
							--1,000 dollars--				
Value											
1970	7,748	4,312	30,397	5,857	6,091	931	7,300	4,600	1,266	7,264	8,324
1971	5,728	5,758	39,867	6,356	9,134	1,184	7,600	5,583	2,203	7,180	8,601
1972	7,194	8,735	58,833	8,353	10,548	1,018	8,500	6,824	8,195	8,856	12,344
1973	5,598	7,909	54,103	8,291	21,150	968	10,200	11,070	3,127	11,883	17,013
1974	10,855	12,480	64,372	7,394	12,486	1,029	11,500	11,504	4,088	11,305	151,312
1975	14,257	14,409	77,097	9,803	14,683	3,334	11,000	11,164	2,226	19,228	166,241
1976	19,390	13,825	53,379	15,672	12,937	4,067	10,000	10,517	5,807	12,736	197,405
1977	28,212	22,550	93,702	12,086	16,842	3,063	15,000	12,671	7,072	9,702	23,080
1978	34,952	28,226	58,440	14,647	23,220	5,587	17,100	15,222	11,415	17,881	175,676
1979	87,515	28,271	20,967	30,449	7,900	21,000					17,881
1980	29,382	31,124	76,383	42,456	10,569	18,600	20,342	12,021	20,363	61,972	346,598
1981	25,590	28,932	79,037	27,247	36,769	13,716	1/ 20,300	14,393	14,393	53,723	350,058
1982	34,733	37,163	52,936	21,918	29,470	12,008	24,100	25,589	12,781	15,177	60,440
1983	26,973	32,097	52,522	27,776	28,157	9,200	21,800	18,180	17,719	49,226	326,315
1984	18,474	28,661	46,102	27,000	27,236	11,380	21,000	16,134	15,100	14,451	88,545
1985	27,220	32,724	42,227	26,000	31,284	11,418	20,000	16,856	17,626	16,467	313,983
1986	23,115	48,283	56,935	25,600	38,325	25,884	19,480	21,311	25,518	19,936	346,598
1987	43,635	49,448	62,583	41,000	64,169	24,400	19,067	21,242	25,810	45,673	350,058
1988	53,000	63,670	71,344	50,000	49,892	28,900	26,000	26,145	34,306	24,825	454,246

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 117--Grapefruit: Exports from major exporting countries, 1970 to date

Calendar year	United States	Cuba	Israel	South Africa	Cyprus	Argentina	Turkey	Other	Total World
--Metric tons--									
Quantity									
1970	102,941	600	180,028	9,578	34,448	84	1,051	72,915	401,645
1971	99,276	2,700	234,777	12,851	49,366	3,873	5,072	82,097	490,012
1972	188,196	1,000	202,158	16,482	43,500	10,897	2,382	91,301	555,916
1973	193,730	1,500	246,719	9,887	54,706	11,689	3,751	87,164	609,146
1974	225,573	3,600	221,116	55,000	40,657	18,228	5,581	83,680	653,435
1975	251,303	1,600	268,960	30,600	30,031	10,355	6,144	94,939	693,932
1976	290,688	8,000	253,740	53,800	28,159	12,378	6,727	108,413	761,905
1977	266,702	22,648	291,362	54,768	40,250	17,682	7,106	107,911	808,429
1978	270,939	35,325	266,876	64,616	33,689	20,515	9,131	120,801	821,892
1979	272,755	33,994	284,319	42,470	39,868	12,709	6,179	125,382	817,676
1980	287,914	50,801	226,216	58,416	36,684	13,220	11,153	111,879	796,283
1981	291,480	90,343	236,293	57,430	40,886	8,776	13,674	128,740	867,622
1982	260,899	103,326	208,130	53,000	45,236	22,740	12,943	177,180	883,554
1983	307,258	117,478	157,167	44,000	40,325	22,422	11,854	157,711	858,215
1984	248,137	114,452	139,279	65,800	49,912	23,001	22,302	140,580	803,463
1985	204,366	161,166	121,895	41,500	42,165	22,400	15,892	126,504	735,888
1986	282,336	180,509	131,391	59,000	43,274	28,704	13,454	127,338	866,006
1987	361,593	207,028	128,439	67,000	48,627	31,569	18,904	122,041	985,201
1988	462,961	221,000	122,000	72,000	40,312	32,576	20,978	122,470	1,094,297
--1,000 dollars--									
Value									
1970	15,269	50	23,584	4,791	4,303	11	145	9,614	57,767
1971	16,541	220	32,789	8,526	8,203	682	750	12,974	80,685
1972	38,179	130	30,022	6,391	8,148	2,215	362	15,029	100,476
1973	38,989	220	34,069	3,092	11,663	2,774	632	15,958	107,397
1974	48,316	950	32,539	12,900	7,072	4,536	711	15,904	122,928
1975	58,083	400	45,537	6,800	6,098	2,602	1,059	23,265	143,844
1976	64,231	2,223	37,293	9,520	5,160	2,806	1,114	24,972	147,319
1977	63,693	7,106	49,255	12,100	7,085	4,036	1,066	26,254	170,595
1978	69,146	11,982	53,501	14,974	7,422	5,137	1,805	36,846	200,813
1979	84,935	12,268	68,063	26,032	10,029	5,109	1,466	48,224	256,126
1980	99,525	18,573	63,026	26,248	9,873	6,277	3,444	49,677	276,643
1981	109,722	35,519	59,164	17,982	10,078	3,673	4,175	48,457	288,770
1982	98,429	38,372	48,769	17,808	10,503	7,465	2,953	59,000	283,299
1983	117,325	43,131	39,712	10,391	8,736	5,493	2,477	57,516	284,781
1984	91,599	41,434	29,507	25,914	11,006	6,098	3,975	49,208	258,741
1985	92,486	57,072	41,545	7,441	11,109	6,081	3,300	46,527	265,561
1986	133,753	74,781	47,854	22,000	11,927	8,681	3,125	58,444	360,565
1987	169,260	67,515	54,908	25,000	14,524	8,334	4,365	62,510	406,416
1988	222,279	1/ 76,000	49,700	27,000	12,878	8,100	5,516	140,984	466,457

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 118--Lemons and Limes: Exports from major exporting countries, 1970 to date

Calendar Year	Spain	United States	Turkey	Italy	Greece	Mexico	Cuba	South Africa	Cyprus	Argen- tina	Other	Total World
--Metric tons--												
--1,000 dollars--												
Quantity												
1970	90,230	128,439	22,928	314,598	62,997	848	0	4,289	20,164	68	77,957	722,518
1971	51,726	136,779	42,889	348,544	59,347	957	0	5,958	20,293	661	84,373	752,777
1972	56,887	156,582	29,115	248,115	51,04	1,294	0	9,813	24,880	4	66,633	729,909
1973	160,432	201,156	78,420	155,121	50,859	2,014	0	6,283	29,836	5,085	92,431	781,637
1974	138,993	202,408	73,287	217,365	75,249	3,061	0	5,200	12,199	7,887	89,443	825,092
1975	89,979	183,291	65,468	257,622	75,927	3,536	0	6,000	10,145	10,145	803,055	803,055
1976	161,211	225,493	98,600	270,819	79,349	4,209	0	6,000	6,644	11,014	90,563	955,664
1977	157,841	236,032	76,990	216,034	75,795	5,543	70	15,000	9,664	16,466	77,997	887,432
1978	221,388	236,834	86,680	184,962	84,545	10,445	22,000	8,244	23,488	89,357	969,425	969,425
1979	219,395	173,491	79,260	221,430	25,394	9,726	3,391	13,000	12,696	41,225	116,379	915,387
1980	218,482	171,354	119,029	187,821	89,659	12,917	4,093	25,921	12,335	14,766	129,157	985,534
1981	233,894	176,224	119,677	137,305	43,896	13,662	5,067	33,835	16,414	18,043	124,856	922,873
1982	364,924	134,695	126,514	115,035	76,360	5,573	9,484	32,000	18,605	9,545	108,931	999,666
1983	249,926	163,444	131,303	131,079	43,605	12,183	8,923	25,000	22,601	20,509	127,121	935,594
1984	361,700	147,912	136,021	99,092	52,989	18,877	15,914	19,800	18,554	16,727	108,617	996,203
1985	224,472	143,525	71,608	20,905	83,710	32,433	27,228	31,000	20,739	6,376	139,209	1,040,205
1986	338,366	148,97	82,879	141,252	90,312	34,133	24,430	27,000	23,365	27,755	135,230	1,072,919
1987	414,093	152,149	104,434	65,627	45,707	31,000	22,662	26,000	19,641	22,41	129,216	1,047,770
1988	405,226	145,904	125,823	79,335	1/45,000	28,000	26,000	25,000	19,469	57,035	90,142	1,046,934
Value												
1970	10,642	29,311	3,393	58,256	10,048	114	0	876	3,913	11	10,472	127,036
1971	5,884	32,659	7,127	70,172	11,352	124	0	1,822	5,144	93	11,769	146,146
1972	9,155	38,599	10,757	57,521	11,824	219	0	4,258	6,590	759	173,296	173,978
1973	25,620	53,089	20,733	45,337	14,733	332	0	2,592	8,889	1,090	17,802	190,217
1974	26,972	58,972	20,463	55,158	24,149	583	0	2,195	3,060	2,066	17,053	210,671
1975	30,692	74,730	20,576	72,693	30,515	520	0	2,500	3,217	2,751	23,941	261,955
1976	42,786	84,743	30,789	64,202	24,267	562	0	2,051	2,055	2,706	26,323	280,844
1977	52,320	75,057	23,748	63,246	21,382	493	38	4,214	2,844	4,254	22,749	270,345
1978	78,454	103,359	27,894	67,367	25,923	870	997	7,789	3,205	6,299	32,397	354,554
1979	105,614	116,954	34,083	113,056	11,801	1,091	2,207	5,508	6,244	14,823	457,274	457,274
1980	118,279	95,169	62,113	93,827	40,836	1,372	2,745	10,710	6,335	7,707	51,249	490,342
1981	106,653	92,525	62,726	59,849	21,006	1,535	2,068	11,230	7,352	7,613	66,358	440,495
1982	126,845	83,931	46,295	36,374	29,522	1,701	5,803	9,916	7,370	2,492	39,200	388,449
1983	87,558	94,750	42,230	43,564	14,681	1,397	5,118	6,824	8,675	4,676	357,333	357,333
1984	101,563	94,554	37,250	23,678	14,638	2,635	8,558	4,729	6,099	3,720	36,799	334,123
1985	98,763	93,840	28,186	70,907	21,666	3,971	11,401	7,381	8,415	16,198	57,766	418,694
1986	135,516	95,837	49,266	27,380	26,970	3,936	9,840	1/6,000	8,304	7,956	62,631	427,636
1987	158,671	95,850	29,790	23,001	13,320	5,200	11,141	1/6,000	7,557	9,553	59,313	413,396
1988	213,779	102,833	38,269	27,091	1/14,000	5,600	1/11,500	1/5,500	7,575	18,000	48,988	487,655

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 119--Oranges: Exports from major exporting countries, 1970 to date

Calendar Year	Spain	Morocco	Israel	United States	South Africa	Cuba	Greece	Italy	Egypt	Turkey	Other	Total World
-Metric tons--												
Quantity												
1970	1,153,509	519,035	587,819	256,174	162,870	26,437	95,787	181,399	103,619	28,294	760,277	3,875,220
1971	880,927	447,761	619,888	243,829	177,891	22,624	78,998	132,212	138,747	59,467	918,221	3,720,565
1972	1,000,235	453,125	605,615	291,525	172,220	33,768	119,564	142,131	82,961	41,230	996,874	3,939,248
1973	1,241,784	536,400	585,493	282,003	185,567	48,325	95,368	180,463	246,959	31,198	982,432	4,256,992
1974	1,083,919	438,089	647,499	317,832	269,416	52,406	123,117	135,757	162,494	13,166	974,269	4,218,024
1975	1,035,713	366,600	655,230	467,707	303,615	58,068	187,958	137,749	210,317	10,716	861,160	4,294,833
1976	984,294	412,829	657,580	445,85	304,030	53,177	186,421	193,759	169,670	21,362	816,679	4,214,704
1977	922,551	412,829	639,100	393,971	300,549	60,927	237,641	250,350	170,603	27,146	964,560	4,380,227
1978	888,273	500,447	618,898	324,607	347,875	106,591	198,812	130,473	133,050	11,703	917,287	4,178,016
1979	904,145	385,594	624,334	281,922	309,710	123,626	104,240	107,868	74,593	14,288	870,596	3,800,916
1980	824,908	577,854	521,255	432,941	344,983	137,788	169,307	132,542	109,513	18,960	829,304	4,099,355
1981	766,719	458,891	604,164	406,482	330,900	160,479	180,844	108,219	113,720	287	789,285	3,845,990
1982	811,734	416,594	516,718	327,019	328,600	206,641	180,834	127,169	101,257	42,388	833,006	3,891,960
1983	660,410	407,876	418,482	462,875	321,000	255,516	181,097	131,829	147,805	50,350	70,240	3,744,460
1984	1,112,004	388,664	368,064	351,669	285,000	248,096	108,533	136,851	161,408	62,352	723,808	3,939,366
1985	1,607,397	394,677	376,718	387,447	284,000	261,079	261,418	159,914	161,036	54,992	767,308	3,715,985
1986	1,302,334	409,980	352,773	394,690	300,000	264,690	260,002	183,684	75,072	43,161	799,431	4,384,200
1987	1,125,070	340,251	354,523	386,701	323,000	275,577	201,006	151,009	110,932	57,608	769,384	4,095,061
1988	1,138,669	412,950	310,000	340,032	350,000	290,000	1/20,000	180,868	97,072	80,407	815,125	4,254,923
--1,000 dollars--												
Value												
1970	122,452	52,400	58,747	30,786	2,691	10,819	22,520	15,799	7,133	90,671	462,111	
1971	94,886	58,626	78,106	51,093	34,296	2,292	9,768	20,856	20,711	7,475	116,081	
1972	116,695	60,175	72,393	43,774	4,972	14,370	22,808	11,054	5,496	130,455	541,646	
1973	161,470	72,834	63,079	51,759	10,410	13,795	16,576	39,941	4,182	152,616	656,858	
1974	151,389	82,167	62,081	13,689	13,800	19,239	22,988	22,000	2,053	167,095	693,860	
1975	190,992	68,672	124,787	114,303	73,200	14,464	33,000	29,077	47,636	2,398	185,590	884,119
1976	157,939	80,609	128,273	113,837	54,388	14,842	36,036	38,067	48,582	6,394	160,778	839,745
1977	158,740	81,571	133,350	133,341	100,925	85,142	13,799	55,003	54,841	8,581	198,373	963,222
1978	222,818	123,567	139,350	133,341	119,638	29,245	26,070	53,296	44,565	53,144	3,073	209,373
1979	384,160	137,880	170,063	136,335	119,635	59,172	35,581	45,224	20,591	4,629	232,642	1,315,988
1980	384,892	200,994	151,786	167,227	108,722	36,399	63,020	56,511	38,940	8,339	251,385	1,468,215
1981	295,149	132,690	165,628	195,555	118,463	59,172	16,556	36,219	47,157	24,088	242,515	1,333,192
1982	279,407	105,158	116,323	103,825	102,831	109,488	73,423	52,354	39,061	13,554	260,615	1,285,558
1983	209,004	104,825	80,109	70,415	203,336	92,519	94,602	47,415	43,996	72,393	13,213	217,849
1984	311,558	80,109	85,918	110,839	229,187	77,000	83,652	24,800	33,525	76,390	12,808	205,685
1985	176,827	122,105	105,570	224,365	108,000	88,000	87,882	63,597	53,561	86,521	13,430	244,471
1986	392,047	120,975	121,395	218,247	127,000	84,031	65,029	65,840	44,146	10,819	266,285	1,200,233
1987	449,351	110,975	108,000	192,139	123,000	1/100,000	1/100,000	51,874	104,634	12,579	289,592	1,629,906
1988	526,655	127,313	108,000	192,139	123,000	1/100,000	1/100,000	51,874	92,633	21,471	321,028	1,725,113

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 120--Frozen concentrated orange juice: Exports from major exporting countries,
1970 to date 1/

Calendar year	Brazil	Israel	United States	Argen- tina	Belize	Italy	Other	Total world
--Metric tons--								
Quantity								
1970	33,468	0	37,142	0	4,430	3,729	12,504	91,273
1971	77,334	0	42,000	0	5,934	2,429	9,870	137,567
1972	87,156	0	42,992	0	5,578	2,837	9,039	147,602
1973	120,990	0	55,170	0	5,822	21	9,796	191,799
1974	108,460	0	58,876	0	5,757	45	8,888	182,026
1975	180,897	0	66,351	2,435	4,502	26	9,772	263,983
1976	209,841	0	78,089	3,583	5,024	606	19,000	316,143
1977	213,524	0	79,567	3,684	2,511	1,566	12,314	313,166
1978	335,629	32,104	45,357	2,275	3,419	1,641	14,826	435,251
1979	292,200	38,039	52,025	1,446	3,163	1,314	26,950	415,137
1980	401,026	33,560	82,548	1,756	2,285	1,419	32,613	555,207
1981	639,046	39,558	91,871	4,359	4,227	2,125	23,999	805,185
1982	521,217	59,086	76,106	1,588	5,239	2,891	11,041	677,168
1983	553,110	70,055	85,730	1,563	3,355	3,278	7,970	725,061
1984	904,805	94,072	75,374	2,362	4,491	6,821	10,325	1,098,250
1985	484,782	97,918	55,028	1,651	4,216	6,290	8,799	658,684
1986	808,262	75,314	50,477	2,456	5,806	6,748	8,876	957,939
1987	754,967	110,779	64,268	5,000	8,539	5,718	15,786	965,057
1988	663,600	1/110,779	77,846	6,500	5,718	5,021	14,531	883,995
--1,000 dollars--								
Value								
1970	14,736	0	23,397	0	1,097	572	7,043	46,845
1971	35,859	0	29,865	0	1,322	1,431	5,419	73,896
1972	41,499	0	33,158	0	1,468	2,113	5,348	83,586
1973	63,622	0	40,729	0	1,434	5	6,058	111,848
1974	59,170	0	43,814	0	1,663	50	5,557	112,254
1975	82,204	0	55,958	712	1,669	25	6,798	147,366
1976	100,882	0	63,846	1,547	1,452	674	7,311	175,712
1977	177,026	0	80,012	3,072	721	1,396	7,658	269,885
1978	332,621	34,376	82,338	1,940	1,280	2,064	12,076	466,695
1979	281,414	38,632	94,921	1,615	4,030	1,716	19,050	441,378
1980	338,653	36,912	112,466	1,537	3,961	1,722	21,301	516,552
1981	659,156	42,348	122,212	3,092	5,100	2,873	12,030	846,811
1982	573,388	65,238	111,715	1,579	4,899	2,610	9,626	769,055
1983	607,931	73,449	114,788	1,488	4,897	3,066	6,534	812,153
1984	1,414,500	117,337	118,526	2,649	8,373	6,500	10,546	1,678,431
1985	748,925	134,151	87,243	1,956	8,540	7,611	10,022	998,448
1986	682,186	75,363	64,364	2,386	6,905	6,003	8,235	845,442
1987	830,502	124,482	85,366	5,216	12,802	6,807	11,676	1,076,851
1988	1/810,000	1/124,482	123,958	1/7,500	12,708	7,906	826,609	1,103,163

1/ FAO estimate.

Source: FAO Trade Data Tape.

Table 121--Tangerines: Exports from major exporting countries, 1970 to date 1/

Calendar year	Spain	Morocco	Turkey	Japan	Taiwan	Pakistan	United States	Other	Total world
--Metric tons--									
Quantity									
1970	287,708	80,830	0	16,421	17,522	13,525	9,698	101,862	527,566
1971	313,928	77,529	0	17,271	23,363	11,910	12,812	88,386	545,199
1972	400,024	130,635	0	19,379	27,782	14,712	11,000	115,167	718,699
1973	403,882	170,342	0	24,019	24,195	21,183	9,691	91,987	745,299
1974	455,751	103,926	18,420	23,191	25,072	16,227	10,424	107,299	760,310
1975	476,206	78,183	22,911	18,728	18,252	101,031	13,391	106,823	835,525
1976	541,795	133,319	34,624	19,877	15,806	54,420	16,036	139,809	955,686
1977	542,421	137,816	27,630	20,876	20,000	89,600	16,259	134,643	989,245
1978	571,018	161,218	32,449	14,157	19,202	34,251	31,365	140,415	1,004,075
1979	647,480	188,375	31,791	15,544	15,588	57,360	36,380	148,900	1,147,418
1980	510,811	192,237	27,132	18,129	15,962	55,379	48,586	136,268	1,004,504
1981	587,508	171,499	88,818	21,054	20,736	20,330	36,423	148,353	1,094,721
1982	587,954	176,318	48,715	23,593	14,590	24,888	25,916	161,530	1,063,504
1983	578,151	131,885	49,971	25,452	19,625	41,049	33,924	182,690	1,062,747
1984	913,899	130,319	32,311	24,754	16,454	37,153	22,389	152,448	1,329,727
1985	727,760	167,149	47,162	25,139	14,664	32,654	24,450	171,058	1,210,036
1986	1,051,384	161,922	58,688	17,782	18,173	29,327	21,815	190,186	1,549,277
1987	822,507	145,246	54,188	22,883	14,837	28,406	16,626	253,557	1,358,250
1988	746,523	166,284	83,598	23,356	23,840	19,704	17,057	149,567	1,229,929
--1,000 dollars--									
Value									
1970	48,727	17,965	0	4,823	4,371	671	1,648	18,077	96,282
1971	53,438	18,266	0	5,793	6,027	784	2,436	16,892	103,636
1972	73,854	32,824	0	7,941	6,761	1,453	2,301	23,321	148,455
1973	83,905	47,297	0	9,906	7,032	1,105	2,217	21,160	172,622
1974	117,589	28,536	3,190	10,077	8,886	1,710	2,627	26,284	198,899
1975	165,365	31,538	4,408	8,567	6,884	5,126	3,334	30,182	255,404
1976	166,740	53,563	9,548	10,863	6,298	9,101	4,211	35,575	295,899
1977	170,889	50,948	8,836	12,463	7,500	11,302	4,716	43,244	309,898
1978	202,821	70,579	11,049	10,743	8,928	5,454	10,641	42,608	362,823
1979	334,416	82,183	13,217	12,335	8,107	8,436	13,639	56,557	528,890
1980	290,187	93,734	12,706	12,696	9,610	10,364	16,823	59,755	505,875
1981	272,456	75,082	33,955	15,171	13,637	4,013	15,078	62,547	491,939
1982	270,337	74,335	15,558	17,130	10,183	4,587	12,760	68,108	472,998
1983	227,459	51,049	13,754	15,642	13,227	6,833	14,402	63,680	406,046
1984	317,575	39,808	8,410	17,286	11,042	5,558	11,559	58,313	469,551
1985	264,824	61,826	13,247	16,888	10,310	5,842	12,856	66,403	452,196
1986	491,153	67,088	16,546	16,211	11,847	3,770	11,502	88,877	706,994
1987	480,778	62,724	14,546	18,002	11,185	3,363	9,007	152,118	751,723
1988	484,831	68,573	24,755	19,805	13,459	2,605	9,761	90,017	713,806

1/ Includes mandarins, clementines, and satsumas.

Source: FAO Trade Data Tape.

Table 122--Tree nuts: Imports, United States, 1978 to date

Calendar Year	Almonds, shelled 1/		Brazil nuts 2/		Cashew nuts 2/		Chestnuts 2/		Coconuts, in-shell		Coconuts, meat		Filberts 1/		Macadamias 1/		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars		
1978	336	667	12,038	20,904	31,462	93,034	3,758	3,412	19,930	3,219	45,901	37,963	4,077	8,597	4,077	8,597	
1979	124	441	13,118	20,661	34,510	110,768	5,508	5,567	18,868	3,086	39,646	46,299	3,200	8,094	3,200	8,094	
1980	61	287	17,423	29,730	132,421	416,421	2,416	2,448	22,076	4,154	30,067	2,415	2,415	2,415	2,415	2,415	
1981	51	215	9,989	13,473	35,768	140,421	4,911	6,130	22,037	3,337	39,526	49,827	1,430	5,214	1,430	5,214	
1982	432	767	9,935	12,903	126,903	4580	6,883	6,883	19,124	3,894	41,953	51,982	3,279	7,336	3,279	7,336	
1983	192	521	10,580	17,444	43,454	152,170	4,530	6,441	23,279	4,242	45,052	39,617	2,556	5,967	2,556	5,967	
1984	111	436	10,602	14,347	37,913	176,782	4,068	6,924	17,928	3,337	51,528	47,876	4,167	9,048	47,876	4,167	
1985	209	631	13,359	18,710	5,503	8,967	5,503	8,967	17,789	3,364	51,528	47,876	4,167	9,048	47,876	4,167	
1986	403	1,641	8,965	11,527	4,152	210,710	250,873	4,874	7,924	16,910	3,133	41,468	33,517	1,525	5,511	33,517	1,525
1987	868	1,995	10,512	15,445	42,767	285,168	3,684	7,206	21,486	4,072	51,468	42,601	1,995	8,116	42,601	1,995	
1988	304	884	9,443	14,806	38,876	195,706	3,971	9,058	21,122	4,072	43,984	41,987	10,530	1,326	41,987	10,530	
1989	45	158	7,007	17,748	48,933	211,438	4,470	10,339	9,000	2,238	37,584	28,048	5,557	1,474	28,048	5,557	

Quantity	Pecans, in-shell		Pecans, shelled		Pignolias 1/		Pistachios 3/		Walnuts, shelled 1/		Walnuts, shelled		Other nuts 2/		Total tree nuts 2/	
	Metric tons	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	Metric tons	1,000 dollars	
1978	1,071	1,933	--	--	324	2,078	7,568	25,224	64	152	387	820	126,916	198,003	126,916	198,003
1979	702	1,129	47	143	262	1,761	11,225	43,842	568	2,136	240	1,131	128,018	245,790	128,018	245,790
1980	857	1,376	80	143	275	1,929	4,226	4,955	48	119	457	2,436	116,537	226,797	116,537	226,797
1981	711	1,540	--	--	271	1,641	1,492	8,146	2	10	389	2,316	108,447	232,770	108,447	232,770
1982	1,324	2,283	17	29	2787	2,787	2,919	13,884	52	195	260	700	120,292	221,634	120,292	221,634
1983	1,159	1,568	122	443	165	518	2,861	13,398	101	356	358	955	134,663	245,396	134,663	245,396
1984	2,990	3,654	1,101	4,104	1,152	4,176	6,994	12,594	42	122	681	1,689	130,448	320,694	130,448	320,694
1985	6,240	9,239	862	5,534	1,284	5,554	12,594	36,336	205	485	485	1,168	158,836	370,279	158,836	370,279
1986	11,971	18,442	672	2,881	1,369	6,637	6,441	19,077	138	412	711	1,577	14,405	369,156	14,405	369,156
1987	6,602	8,937	804	2,896	1,126	1,863	1,473	3,725	1,286	3,229	509	1,477	14,962	380,150	14,962	380,150
1988	5,316	6,744	1,172	3,606	1,105	4,446	1,473	5,068	180	373	366	1,094	131,731	311,685	131,731	311,685
1989	8,560	14,067	865	3,070	1,556	8,720	1,798	65	176	202	202	666	122,916	325,983	122,916	325,983

1/ Includes minor quantity of in-shell product.
 2/ Total product weight fresh or dried, whether or not shelled or peeled.

3/ Includes minor quantity of shelled product.

Source: Bureau of Census, Department of Commerce.

Table 123--Tree nuts: Exports, United States, 1970 to date

Calendar Year	Almonds		Walnuts		Pecans		Filberts		Pistachios	
	Shelled	In-shell	Shelled	In-shell	Shelled	In-shell	Shelled	In-shell	Shelled	In-shell
1970	27,199	1,604	1,679	5,062	658	581	124	405	--	--
1971	32,236	1,510	9,595	5,062	659	249	117	192	--	--
1972	30,860	2,188	2,388	14,103	876	481	123	315	423	423
1973	24,044	1,558	1,569	16,708	772	355	167	763	763	763
1974	36,077	2,055	2,494	19,951	1,055	763	97	595	595	595
1975	42,328	2,352	2,788	35,545	1,368	482	114	821	821	821
1976	55,030	1,220	4,775	39,446	1,193	546	245	1,353	1,353	1,353
1977	60,350	1,110	5,041	31,744	1,011	462	226	1,355	1,355	1,355
1978	59,883	1,198	3,601	27,559	1,166	1,454	663	2,675	2,675	2,675
1979	53,892	1,441	2,980	29,554	1,063	728	1,255	1,255	--	--
1980	80,976	1,602	4,916	44,936	1,413	872	1,195	3,808	3,808	3,808
1981	70,334	2,756	4,331	48,105	1,560	1,202	1,161	750	2,042	0
1982	67,259	4,974	4,002	37,595	1,237	4,161	1,689	1,104	223	139
1983	57,457	2,959	4,342	27,073	1,026	707	1,161	1,689	1,689	1,689
1984	79,126	2,669	6,190	39,531	1,730	1,198	663	1,104	322	422
1985	129,437	6,063	7,423	44,048	593	809	1,036	1,036	320	490
1986	102,185	3,660	8,538	45,155	761	708	3,124	778	424	631
1987	92,844	4,770	7,375	55,854	1,058	777	1,661	3,955	2,250	1,256
1988	141,266	12,437	9,344	48,024	1,639	1,564	2,077	2,077	795	900
1989	130,985	10,737	15,572	51,335	1,745	2,707	3,118	2,518	2,518	4,699

-- = Not reported.

Source: Bureau of Census, Department of Commerce.

California and Florida Remain the Largest Fruit Producers

California and Florida accounted for 74 percent of the total production and value of U.S. fruit and nut crops in 1989.

California and Florida remained the top fruit and tree nut producing States, accounting for 74 percent of both production and value of fruit and tree nut crops in 1989. In California, noncitrus fruit represented 68 percent of the value of fruit and tree nut production, tree nuts represented 17 percent, and citrus 15 percent. In contrast, citrus represented over 94 percent of the total value of fruit and tree nut production in Florida, noncitrus fruit just over 5 percent, and tree nuts less than 1 percent.

Florida Retains Share of Total Citrus Crop Value In 1989

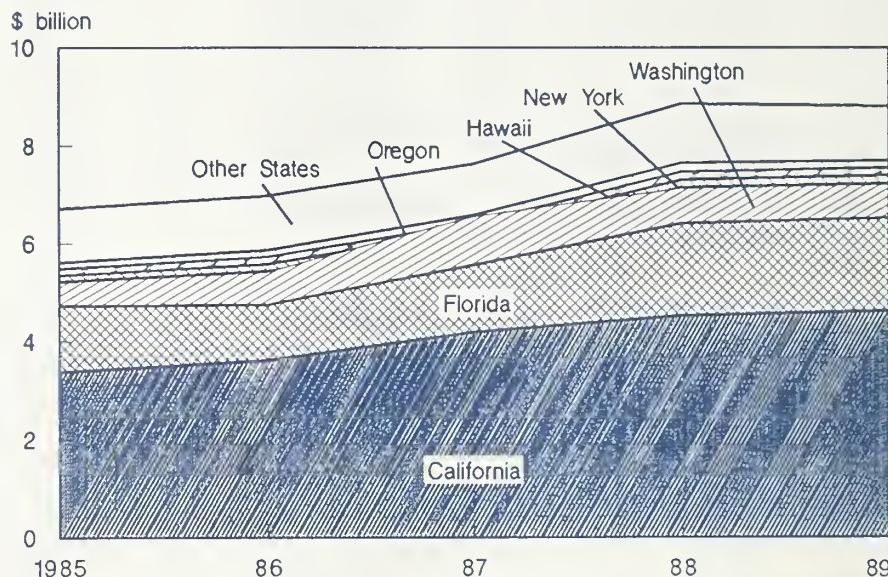
Primarily because of the recovery of Florida citrus from freezes in the early 1980's, the U.S. citrus crop grew over 3 percent from 1987/88 to 1988/89. However, the total value of U.S. production declined slightly. The Florida citrus crop represented 69 percent of the U.S. value of production of all citrus crops in 1988/89, while the value of the California crop was about 27 percent. Both maintained their relative shares of the previous year.

Arizona and Texas, relatively small producers compared with Florida and California, accounted for the remaining 4 percent of total citrus crop value in 1988/89. The picture will change for the 1989/90 crop due to the damaging December 1989 freeze in Florida and Texas, and the relatively larger crops in California and Arizona. Florida produced about 82 percent of the U.S. grapefruit crop in 1988/89, essentially the same as the year before.

California Share of Noncitrus Crop Value Jumps In 1989

California accounted for over 60 percent of the U.S. value of noncitrus crops

Figure 12
Value of U.S. Fruit and Tree Nut Production



in 1989, up from about 57 percent in 1988. An increase in average grape prices from \$266 to \$309 per ton lifted the value of California's noncitrus crop from \$2.88 billion in 1988 to \$3.11 billion. Crop values were higher for most California fruits except strawberries, which showed a 4-percent decline.

Washington, the second leading noncitrus producer, accounted for over 14 percent of the value of U.S. noncitrus production in 1989, up from almost 13 percent the previous year. Apples, Washington's major fruit crop, accounted for 62 percent of the State's fruit value, followed by pears with 12 percent, and grapes and sweet cherries with about 10 percent each.

California Leads Tree Nut Production

California is the leading U.S. producer of all tree nuts except pecans, macadamia nuts, and hazelnuts. In 1989, the State accounted for 77 percent of the \$1.01 billion value of U.S. tree nut production, but 93 percent of the \$834 million value of U.S. tree nut output excluding pecans. Pecan production is more geographically widespread than any other tree nut crop in the United States and while California produces a small crop, Georgia, Texas, New Mexico, and Alabama account for over 95 percent of the value of U.S. production, at \$179 million in 1989. Similarly, California has limited commercial production of macadamias and hazelnuts, for which Hawaii and Oregon, respectively, dominate.

Table 124.—Fruit and edible tree nuts: Utilized production, by States, 1989 1/

State	Apples	Cherries			Noncitrus			Total			
		Apricots		Sweet	Tart	Grapes	Peaches	Pears	Prunes and Plums	Straw- berries	Other 2/ Quantity of 3/
--1,000 short tons--											
Alabama	12.4					26.5	7.0			7.0	8/
Arizona	4.5					25.9	1.3			38.9	0.2
Arkansas	337.5	111.0	26.0	0.2	5,390.0	725.5	315.0	967.8	4,17.9	548.0	8,838.9
California	334.0					4.0				38.0	54.2
Colorado	17.5					1.6				20.5	.1
Connecticut	7.5					0.2				7.7	.1
Delaware										102.4	.6
Florida	12.0				2.7	57.5				72.2	.6
Georgia										623.0	3.8
Hawaii	79.0									91.4	.6
Idaho	43.5									49.8	.3
Illinois	31.5									33.5	.2
Indiana	5.4									35.4	.8
Iowa										6.8	.8/
Kansas	5.7						1.1			7.0	8/
Kentucky	6.0						1.0			2.0	2.5
Louisiana							0.5			34.0	.2
Maine	34.0									22.3	.1
Maryland	18.5									129.1	.8
Massachusetts	37.0									682.4	4.2
Michigan	475.0				25.0	85.0	91.0	43.0	27.5	3.8	13.8
Minnesota	13.8									0.5	.8/
Mississippi										32.9	.0
Montana	27.0									20.5	.1
New Hampshire	20.5									673.6	4.1
New Jersey	2.5									122.1	.7
New Mexico	2.7									77.3	.5
New York	480.0				1.2	11.3	152.0	6.2	16.3	2.8	12.2
North Carolina	110.0						1.7			12.2	.1
Oklahoma	62.5						8.0			418.1	2.6
Oregon					51.0	7.5	9.3	7.5	215.0	265.7	1.6
Pennsylvania	80.0				0.7	2.9	60.0	60.0	32.5	4.3	13.8
Rhode Island	162.8									134.2	.8/
South Carolina	16.5									134.2	.8/
Tennessee	5.0									134.2	.8/
Texas										134.2	.8/
Utah	27.0	0.4	1.6	11.3						134.2	.8/
Vermont	21.5									134.2	.8/
Washington	160.0	1.6	84.0			7.8	229.0	7.0	22.0	349.0	4.1
Virginia	2,500.0									48.1	.1
West Virginia	57.5									21.5	.1
Wisconsin	31.0									167.0	1.0
United States	4,960.1	113.0	191.9	121.8						3,212.6	19.7
										62.0	.4
										106.8	.7
										100.0	100.0
										16,300.1	

See footnotes at end of table.

Continued--

Table 124--Fruit and edible tree nuts: Utilized production, by States, 1989 1/--Continued

State	Citrus fruit 4/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 5/	Total		Percent of U.S.		Total		Percent of U.S.	
					Quantity 3/	Percent of U.S.	Quantity 3/	Percent of U.S.	Quantity 3/	Percent of U.S.	Quantity 3/	Percent of U.S.
<i>--1,000 short tons--</i>												
Alabama	64.0	63.0	144.0	25.0	296.0	2.2	7.0	.8/	11.0	1.4	18.0	.1
Arizona	2,205.0	263.0	615.0	76.0	3,159.0	24.0	336.9	1.1	334.9	1.1	334.9	1.1
Arkansas							1,211	.8/	644.2	0.5	12,642.1	41.8/
California							11,992.9	40.7	1.0	70.9	12,642.1	41.8/
Colorado							38.0	.1			38.0	.1
Connecticut							20.5	.1			20.5	.1
Delaware							20.7	.8/			20.5	.1
Florida	6,598.0	2,326.0		533.0	9,457.0	71.7	9,558.4	32.4	42.5	3.5	9,562.9	31.6
Georgia							722.2	42.5	25.3	25.3	5.3	.1
Hawaii							622.0	2.2			648.3	2.4
Idaho							91.4	.3			91.4	.3
Illinois							49.8	.2			49.8	.2
Indiana							33.5	.1			33.5	.1
Iowa							35.4	.8/			35.4	.8/
Kansas							6.8	.8/			6.8	.8/
Kentucky							7.0	.8/			7.0	.8/
Louisiana							2.5	.1			2.5	.1
Maine							34.0	.1			34.0	.1
Maryland							22.3	.1			22.3	.1
Massachusetts							122.1	.4			129.1	.4
Michigan							68.4	2.3			682.4	2.3
Minnesota							13.8	.1			13.8	.1
Mississippi							0.5	.8/			4.8	.8/
Missouri							32.9	.0			32.9	.0
Montana							30.0	.0			30.0	.0
New Hampshire							20.5	.1			20.5	.1
New Jersey							69.6	.2			69.6	.2
New Mexico							673.6	2.3			673.6	.2
New York							673.6	2.3			673.6	.2
North Carolina							122.1	0.4			122.1	.3
Ohio							77.3	.3			77.3	.3
Oklahoma							12.2	.8/			12.2	.8/
Oregon							418.1	1.4			416.7	1.4
Pennsylvania							265.7	.9			430.9	1.4
Rhode Island							132.8	.8/			265.7	.9
South Carolina							132.2	.5			134.7	.4
Tennessee	79.0	192.0			271.0	2.1	5.6	.8/	27.5	27.5	3.4	.8/
Texas							277.3	.9			48.1	.2
Utah							48.1	.2			21.5	.1
Vermont							21.5	.1			167.0	.6
Virginia							167.0	.6			3,212.8	.6
Washington							3,212.6	10.9			622.0	.2
West Virginia							622.0	.2			106.8	.4
Wisconsin							106.8	.4			106.8	.4
United States	8,946.0	2,844.0			759.0	634.0	13,183.0	100.0	29,483.1	100.0	125.3	100.0
											806.8	99.0
												30,289.8
												100.0

1/ Preliminary.
 2/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, papayas, pineapples, and pomegranates.
 3/ Some figures may not add due to rounding.
 4/ 1988/89 crop.
 5/ Tangierines, limes, tangerines, and templets.
 6/ Total includes Arizona, Kansas, Missouri, and Tennessee, beginning 1989.
 8/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 125-Fruit and edible tree nuts: Value of production, by States, 1989 1/

State	Apples	Apricots	Cherries				Grapes	Peaches	Pears	Prunes and plums	Straw- berries	Other 2/	Value 3/	Total	Percent of U.S.								
			Sweet		Tart																		
			Cran- berries																				
---1,000 dollars--																							
Alabama	2,310						17,861								3,444	0.1							
Arizona	1,688						1,882	602							20,171	0.1							
Arkansas	101,023	35,948	24,418	50			1,664,740	178,166	85,250	269,946	354,184	401,125	3,114,676	60.4	3,444	0.1							
California	6,768								1,348						7,946	-2							
Colorado	8,596								1,728						10,924	-2							
Connecticut															1,825	-8/							
Delaware	1,690														103,310	2.0							
Florida	3,348														28,718	-2							
Georgia															114,172	2.2							
Hawaii	12,413														14,686	-4							
Idaho	11,349														14,674	-3							
Illinois	11,795														13,083	-3							
Indiana	2,246														2,246	-8/							
Iowa	2,562														2,956	-1							
Kansas	2,160														2,912	-1							
Kentucky															2,680	-1							
Louisiana															16,322	-3							
Maine	14,322														10,4275	2.0							
Maryland	4,147														143,632	2.8							
Massachusetts	16,333														7,651	-1							
Michigan	78,080														9,809	-0							
Minnesota	7,631														9,809	-0							
Mississippi	7,343														9,456	-2							
Montana	9,456														43,608	-8/							
New Hampshire	6,379														1,258	-8/							
New Jersey	1,060														161,060	3.1							
New Mexico	99,960														161,842	3.5							
New York	19,380														47,752	-2							
North Carolina	22,385														4,400	-6							
Ohio															13,634	-1							
Oklahoma	7,947														6,683	-1							
Oregon	34,160														134,078	-2.6							
Pennsylvania	1,342														80,130	-1.6							
Rhode Island	3,975														51,342	-1							
South Carolina	1,474														51,111	-1							
Tennessee															1,917	-8/							
Texas	6,458	165	1,280	2,716											5,000	-1							
Utah															13,761	-3							
Vermont	8,274														8,274	-2							
Virginia	32,620														35,608	-7							
Washington	436,000	2,236	67,390				7,004	69,158							703,745	13.6							
West Virginia	11,310														13,611	-3							
Wisconsin	9,641														76,878	1.5							
United States	1,007,225	38,349	136,597	32,154	175,256	1,831,951									5,158,591	100.0							

Continued--

See footnotes at end of table.

Table 125--Fruit and edible tree nuts: Value of production, by States, 1989 1/-Continued

State	Citrus fruit 4/				Total all fruits				Total all fruit and nuts			
					Value 3/		Percent of U.S.		Value 3/		Percent of U.S.	
	Oranges	Grapefruit	Lemons	Other 5/	Total	Value 3/	Percent of U.S.	Pecans 6/	Other 7/	Value 3/	Percent of U.S.	1,000 dollars
--1,000 dollars--												
Alabama	15,458	9,650	33,972	10,086	69,166	2.6	.8/	10,460	10,460	1.0	13,906	0.2
Arizona	438,289	49,310	189,532	28,862	705,993	27.0	3,820,793	575	575	77.1	87,337	1.0
Arkansas								1,804	778,503	780,307	4,601,100	52.4
California											7,946	
Colorado											10,926	
Connecticut											1,825	
Delaware	1,338,652	336,684			122,036	1,797,372	68.8	1,900,682	24.5	3,650	5.5	1,904,332
Florida											44,945	
Georgia											4.4	
Hawaii											159,117	
Idaho											14,726	
Illinois											13,083	
Indiana											2,246	
Iowa											2,956	
Kansas											14,322	
Kentucky											14,322	
Louisiana											14,322	
Maine											10,449	
Maryland											10,449	
Massachusetts											14,322	
Michigan											14,322	
Minnesota											14,322	
Mississippi											14,322	
Missouri											14,322	
Montana											14,322	
New Hampshire											14,322	
New Jersey											14,322	
New Mexico											14,322	
New York											14,322	
North Carolina											14,322	
Ohio											14,322	
Oklahoma											14,322	
Oregon											14,322	
Pennsylvania											14,322	
Rhode Island											14,322	
South Carolina											14,322	
Tennessee											14,322	
Texas	13,932	25,107									14,322	
Utah											14,322	
Vermont											14,322	
Virginia											14,322	
Washington											14,322	
West Virginia											14,322	
Wisconsin											14,322	
United States	1,806,331	420,751	223,504	160,984	2,611,570	100.0	7,770,161	100.0	179,020	834,112	1,013,132	100.0
												8,783,293

1/ Preliminary. 2/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, papayas, pineapples, and pomegranates. 3/ Some figures may not add due to rounding. 4/ 1988/89. 5/ Tangerines, limes, tangelos, and tempeas. 6/ Total includes other states, (Arizona, Kansas, Missouri, and Tennessee beginning 1989). 7/ Almonds, filberts, macadamia nuts, walnuts, and pistachios. 8/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 126--Fruit and edible tree nuts: Utilized production, by States, 1988

State	Apples	Apricots	Cherries		Cranberries	Grapes	Peaches	Pears	Prunes and plums	Strawberries	Other 1/	Quantity 2/	Total	Percent of U.S.	
			Sweet	Tart											
--1,000 short tons--															
Alabama						24.0								11.0	0.1
Arizona	5.0	87.0	26.0	0.4	5,520.0	10.0	302.0	685.6	432.0	577.5			26.0	.2	
Arkansas	315.0					7.0	73.0						8,678.1	22.6	
California	32.5					7.8	3.7						54.7	.3	
Colorado	20.5					1.5							44.4	.3	
Connecticut	9.5					1.6							23.6	.1	
Delaware													11.1	.1	
Florida													89.5	.6	
Georgia	16.0						2.5	66.0					84.5	.5	
Hawaii													700.1	.4	
Idaho	67.5			2.2									80.9	.5	
Illinois	41.0												50.8	.3	
Indiana	25.5												27.0	.2	
Iowa	4.5												4.5	.6	
Kansas	4.8												6.6	.6	
Kentucky	4.8												7.5	.1	
Louisiana	45.0												45.0	.2	
Maine	26.0												30.9	.2	
Maryland	42.5												136.6	.9	
Massachusetts	415.0												631.9	.6	
Michigan	6.3												6.3	.6	
Minnesota													1.8	.6	
Mississippi	27.0												35.8	.2	
Montana													1.9	.2	
New Hampshire	27.5												27.5	.2	
New Jersey	30.0												90.1	.6	
New Mexico	5.0												5.0	.6	
New York	455.0												654.5	.1	
North Carolina	175.0												192.5	.1	
Ohio	47.5												63.1	.4	
Oklahoma													13.0	.1	
Oregon	77.5												44.2	.2	
Pennsylvania	260.0												375.1	.2	
Rhode Island	3.0												3.0	.6	
South Carolina	18.0												163.5	1.0	
Tennessee	5.5												10.0	.1	
Texas													8.1	.1	
Utah	19.5												34.5	.2	
Vermont	21.5												21.5	.1	
Virginia	208.5												222.0	.4	
Washington	1,950.0												2,566.4	.3	
West Virginia	107.5												117.5	.7	
Wisconsin	21.5												105.9	.7	
United States	4,540.7												15,884.1	100.0	

See footnotes at end of table.

Continued--

Table 126--Fruit and edible tree nuts: Utilized production, by States, 1988--Continued

State	Citrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 4/	Total		Percent of U.S.		Total		Percent of U.S.	
					Quantity 2/	Percent of U.S.	Quantity 2/	Percent of U.S.	Quantity 2/	Percent of U.S.	Quantity 2/	Percent of U.S.
--1,000 short tons--												
Alabama	68.0	62.0	139.0	24.0	293.0	2.3	311.0	.6/	5.0	0.6	16.0	0.1
Arizona							317.0	1.1			317.0	1.1
Arkansas							22.6	.1			24.1	.2
California	2,212.0	298.0	646.0	79.0	3,235.0	25.4	11,913.1	41.6	1.5	0.2	12,622.1	42.7
Colorado							44.4	.2			44.4	.2
Connecticut							23.0	.1			23.6	.1
Delaware	6,210.0	2,289.0			521.0	9,020.0	70.7	9,109.5	31.8	3.0	9,112.5	6/
Florida							84.5	.3	55.0	0.3	139.5	30.8
Georgia							700.1	2.4	22.8	2.5	722.9	2.4
Hawaii							80.9	.3			80.9	.3
Idaho							50.8	.2			50.8	.2
Illinois							27.0	.1			27.0	.1
Indiana							4.5	.0/			4.5	.0/
Iowa							6.6	.6/			6.6	.6/
Kansas							7.5	.6/			7.5	.6/
Kentucky							5.2	.6/			5.2	.6/
Louisiana							45.0	.2			45.0	.2
Maine							30.9	.1			30.9	.1
Maryland							136.6	.5			136.6	.5
Massachusetts							631.9	2.2			631.9	2.2
Michigan							6.3	.6/			6.3	.6/
Minnesota							1.8	.6/			1.8	.6/
Mississippi							35.8	.6/			35.8	.6/
Missouri							27.5	.1			27.5	.1
Montana							90.1	.3			90.1	.3
New Hampshire							55.0	.0/			55.0	.0/
New Jersey							654.2	2.3			654.2	.2
New Mexico							199.5	.7			202.3	.2
New York							63.1	.2			63.1	.2
North Carolina							13.0	13.0			13.0	.1
Ohio							23.5	2.8			23.5	.1
Oklahoma							1.5	1.5			1.5	.1
Oregon							375.1	1.3			375.1	.1
Pennsylvania							3.0	16.3			3.0	.0/
Rhode Island							163.5	.6/			163.5	.6/
South Carolina							10.0	.6/			10.0	.6/
Tennessee	61.0	152.0			213.0	1.7	221.1	.8	30.0	30.0	251.1	.8
Texas							34.5	.1			34.5	.1
Utah							21.5	.1			21.5	.1
Vermont							222.0	.8			222.0	.8
Virginia							2,566.4	9.0	0.2	0.2	2,566.6	8.7
Washington							117.5	.4			117.5	.4
West Virginia							105.9	.4			105.9	.4
Wisconsin							28.645.1	100.0	154.1	154.1	29,546.4	100.0
United States	8,551.0	2,801.0	785.0	624.0	12,761.0	100.0	707.9	707.9	901.3	100.0	29,546.4	100.0

1/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1987/88 crop.

4/ Tangerines, limes, tangos, and templets. 5/ Almonds, hazelnuts (filberts), macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 127--Fruit and edible tree nuts: Value of production, by States, 1988

See footnotes at end of table.

Table 127--Fruit and edible tree nuts: Value of production, by States, 1988--Continued

State	Citrus fruit 3/			Total all fruits			Total all fruit and nuts		
	Oranges	Grapefruit	Lemons	Value 2/		Percent of U.S.	Value 2/		Percent of U.S.
				Total	Value 2/		Pecans	Other 5/	
--1,000 dollars--									
Alabama	14,929	8,788	31,448	9,116	64,251	2.5	6,444	0.1	9,564
Arizona	458,180	56,600	170,628	32,297	717,705	27.4	9,164	1.2	94,164
Arkansas							7,310	1.1	8,762
California							3,599	4.9	4,508
Colorado							4,464	4.7	1,910
Connecticut							12,448	2.2	12,448
Delaware							12,978	6/	12,448
Florida	1,288,199	387,446		122,846	1,798,491	68.7	1,887,138	24.4	1,887,174
Georgia							32,976	4.4	1,98,826
Hawaii							124,112	1.6	165,162
Idaho							25,520	3/	25,520
Illinois							18,057	2/	18,057
Indiana							9,905	1.2	9,905
Iowa							1,909	6/	1,909
Kansas							3,043	6/	3,043
Kentucky							3,038	6/	3,038
Louisiana							4,600	1.2	13,095
Maine							17,700	2/	17,700
Maryland							8,194	1.2	8,194
Massachusetts							20,351	3/	20,351
Michigan							24,653	3.1	24,653
Minnesota							3,772	6/	3,772
Mississippi							12,781	6/	5,798
Montana							1,042	6/	12,781
New Hampshire							12,441	2/	1,042
New Jersey							45,741	6/	12,441
New Mexico							1,950	6/	45,741
New York							156,189	2.0	19,370
North Carolina							32,756	5.5	156,894
Ohio							26,031	3.3	43,136
Oklahoma							6,864	1.1	26,031
Oregon							167,928	2.2	27,558
Pennsylvania							89,440	1.2	181,832
Rhode Island							1,473	6/	89,440
South Carolina							58,154	8/	1,473
Tennessee	12,373	25,754					4,393	1/	61,755
Texas							43,875	6/	4,393
Utah							11,353	1/	75,375
Vermont							7,920	1/	11,353
Virginia							50,158	7/	7,920
Washington							730,298	9.5	50,158
West Virginia							23,703	3/	4,393
Wisconsin							83,214	1.1	23,703
United States	1,773,681	478,588		205,046	164,259	2,618,574	100.0	7,708,610	100.0
							166,658	962,485	8,837,753
									100.0

1/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding.

3/ 1987/88 crop. 4/ Tangerines, limes, tangelos, and templets. 5/ Almonds, hazelnuts, macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 128--Fruit and edible tree nuts: Utilized production, by States, 1987

State	Apples	Apricots	Cherries		Cran- berries	Grapes	Peaches	Pears	Prunes and plums	Straw- berries	Other 1/ 2/	Quantity 2/	Percent of U.S.	Total
			Sweet	Tart										
--1,000 short tons--														
Alabama														
Arizona	2.0	102.0	45.0	0.4			21.0	6.5					6.5	0.1
Arkansas	325.0						5.0	0.7	337.0	411.3	553.3	8,041.5	50.2	
California	59.0						680.0	8.5	6.4				74.3	5.5
Connecticut	19.0						1.4	1.5					21.9	
Delaware	13.0						0.5	0.5					13.5	
Florida													84.2	.5
Georgia	20.0												71.7	.4
Hawaii													731.2	4.6
Idaho	75.0												87.6	
Illinois	48.0												57.5	.4
Indiana	35.0												37.1	.2
Iowa	4.7												4.7	.6
Kansas	5.2												6.4	
Kentucky	8.3												12.7	.1
Louisiana													2.5	.6
Maine	37.0												37.0	.2
Maryland	19.0												23.5	
Massachusetts	42.0												115.5	.7
Michigan	525.0												783.2	4.9
Minnesota	11.5												11.5	
Mississippi	25.0												32.8	.2
Montana													22.6	.1
New Hampshire	22.0												92.6	
New Jersey	38.5												92.6	.6
New Mexico	6.3												6.3	
New York	440.0												660.9	4.1
North Carolina	195.0												212.3	1.3
Ohio	75.0												93.2	.6
Oklahoma	102.5												92.0	
Oregon	250.0												465.5	2.9
Pennsylvania	2.8												364.9	2.3
Rhode Island	19.5												170.2	1.1
South Carolina	7.0												8.3	
Tennessee													2.4	.6
Texas	31.5	0.4	1.8	10.0			65.5	37.5	5.3				51.6	.3
Utah	21.0												21.0	
Vermont	220.5												232.5	1.5
Virginia	2,400.0	3.9	74.0				6.5	246.0	21.5	336.0	12.3		3,112.2	19.4
Washington	90.0									9.5			99.5	
West Virginia	30.5												104.7	.7
Wisconsin													100.0	
United States	5,225.7	106.3	213.0	143.0			169.6	5,253.5	1,119.5	936.1	972.6		1,313.5	16,011.2

See footnotes at end of table.

Continued--

Table 128-Fruit and edible tree nuts: Utilized production, by States, 1987—Continued

State	Citrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges		Grapefruit	Lemons	Total		Quantity 2/	Percent of U.S.	Total		Quantity 2/	Percent of U.S.
	Quantity 2/	Percent of U.S.	Quantity 2/	Percent of U.S.	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons				
<i>--1,000 short tons--</i>												
Alabama	101.0	88.0	270.0	34.0	493.0	4.1	6.5	6/	12.5	1.3	19.0	0.1
Arizona	2,172.0	305.0	817.0	83.0	3,377.0	28.2	514.0	1.8	514.0	8.9	514.0	1.8
Arkansas							518.3	6/	0.7	0.1	12,201.1	42.1
California 8							40.8	40.8	782.6	81.8	74.3	.3
Colorado							.3				21.9	
Connecticut							.1				13.5	
Delaware							.1				8,095.9	28.0
Florida	5,387.0	2,116.0			506.0	8,009.0	66.8	8,032.2	28.9	2.8	57.5	6.0
Georgia							.2		21.4		21.4	2.2
Hawaii							.3				129.2	2.4
Idaho							.3				752.6	2.0
Illinois							.2				57.5	.2
Indiana							.1				37.1	
Iowa							.1				4.7	
Kansas							.6/				6.4	
Kentucky							.6/				6.4	
Louisiana							.7				12.7	
Maine							.6/				6/	
Maryland							.6/				37.0	
Massachusetts							.1				23.5	
Michigan							.1				115.5	
Minnesota							.4				783.2	
Mississippi							.4				2.7	
Missouri							.4				11.5	
Montana							.6/				6.0	
New Hampshire							.6/				6.0	
New Jersey							.1				6.0	
New Mexico							.6/				6.0	
New York							.6/				6.0	
North Carolina							.6/				32.8	
Oklahoma							.1				22.6	
Oregon							.1				22.0	
Pennsylvania							.3				92.6	
Rhode Island							.3				18.8	
South Carolina							.3				660.9	
Tennessee							.3				213.3	
Texas	37.0	77.0					.2				93.2	
Utah							.2				137.4	
Vermont							.1				51.6	
Virginia							.1				21.0	
Washington							.1				232.5	
West Virginia							.1				10.7	
Wisconsin							.1				112.5	
United States	7,697.0	2,586.0	1,087.0		623.0	11,993.0	100.0	28,004.2	100.0	131.1	825.8	100.0
											956.9	100.0
											28,961.1	
											100.0	

1/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, pomegranates, papayas, pineapples, and tangerines.

2/ Some figures may not add due to rounding. 3/ 1986/87 crop.

4/ Tangerines, limes, tangelos, and templets. 5/ Almonds, hazelnuts, macadamia nuts, walnuts, and pistachios.

6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 129.-Fruit and edible tree nuts: Value of production, by States: 1987

State	Noncitrus										Percent of U.S. Total	
	Cherries					Prunes and Plums						
	Apples	Apricots	Sweet	Tart	Cran- berries	Grapes	Peaches	Pears	Straw- berries	Other 1/ 2/		
	<i>--1,000 dollars--</i>											
Alabama	474	33,970	28,615	81	21,279	3,068	528	570,554	21,279	3,068	0.1	
Arizona	72,070				1,202,840	393	64,794	407,251	2,572,543	2,740	.1	
Arkansas	7,948				149,002	3,814	1,274		13,117	11,117	.3	
California	8,047				1,456	1,725			10,228	10,228	.2	
Colorado	2,768				1,170				2,938	2,938	.1	
Connecticut					2,350	17,758			76,110	76,110	1.7	
Delaware									24,638	24,638	.6	
Florida	4,520								113,722	113,722	2.6	
Georgia	15,964								19,683	19,683	.4	
Hawaii	11,460								16,680	16,680	.4	
Idaho	11,920								13,134	13,134	.3	
Illinois	1,886								1,886	1,886	.6	
Indiana	1,532								2,252	2,252	.1	
Iowa	2,523								4,704	4,704	.1	
Kansas									2,150	2,150		
Kentucky									14,155	14,155		
Louisiana	14,155								5,355	5,355		
Maine	3,932								82,688	82,688		
Maryland	17,322								149,813	149,813		
Massachusetts	79,860								5,299	5,299		
Michigan	5,299								7,771	7,771		
Minnesota									2,280	2,280		
Mississippi	4,935								9,852	9,852		
Montana	9,852								42,288	42,288		
New Hampshire	9,520								1,966	1,966		
New Jersey	1,966								140,162	140,162		
New Mexico	80,560								33,614	33,614		
New York	29,110								8,142	8,142		
North Carolina	23,728								136,555	136,555		
Ohio									82,440	82,440		
Oklahoma	11,145								1,290	1,290		
Oregon	44,710								48,322	48,322		
Pennsylvania	1,290								2,743	2,743		
Rhode Island	3,291								1,171	1,171		
South Carolina	1,880								1,826	1,826		
Tennessee									10,057	10,057		
Texas	4,635	147	1,181	1,654		1,824			7,570	7,570		
Utah	7,576					1,760			44,247	44,247		
Vermont	40,150								564,926	564,926		
Virginia	348,000	2,765	68,332		5,850	55,356	4,097	1,650	16,095	16,095		
Washington	13,567				61,716		7,076	67,717	8,180	8,180		
West Virginia	9,466				295		43,868	2,508	73,985	73,985		
Wisconsin					159,296	22,357	1,358,728	308,970	4,420,955	4,420,955		
United States	903,059	36,882			150,906		185,377	249,720	552,336	4,420,955	100.0	

See footnotes at end of table.

Continued--

Table 129—Fruit and edible tree nuts: Value of production, by States, 1987—Continued

State	Citrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 4/	Value 2/		Percent of U.S.		Value 2/		Percent of U.S.	
					Total	Percent of U.S.	Value 2/	Percent of U.S.	Value 2/	Percent of U.S.	Value 2/	Percent of U.S.
--1,000 dollars--												
Alabama	16,735	13,924	29,281	11,001	70,941	3.5	3,068	0.1	9,488	0.8	12,556	0.2
Arizona							92,220	1.4			92,220	1.2
Arkansas							2,740	6/			3,538	6/
Colorado	434,124	56,251	152,890	25,697	668,962	32.6	3,241,505	50.1			4,177,900	55.1
Connecticut							13,117	.2			13,117	.2
Delaware							10,228	.2			10,228	.1
Florida							2,958	.1			2,938	.6/
Georgia							1,767,109	21.1			1,370,853	18.1
Hawaii							124,928	.4			186,773	1.1
Idaho							113,722	1.8			169,590	2.0
Illinois							19,683	.3			19,683	.3
Indiana							16,680	.3			16,680	.2
Iowa							13,134	.2			13,134	.2
Kansas							1,886	6/			1,886	6/
Kentucky							2,552	6/			2,552	6/
Louisiana							4,704	.1			4,704	.1
Maine							2,472	.6/			10,062	.1
Maryland							14,155	.2			14,155	.2
Massachusetts							5,215	.1			5,315	.1
Michigan							82,698	1.3			82,698	1.1
Minnesota							149,813	2.3			149,813	2.0
Mississippi							5,299	.1			5,299	.1
Missouri							155	.6/			6,483	.1
Montana							7,771	.1			7,771	.1
New Hampshire							2,280	.6/			2,280	.6/
New Jersey							9,852	.2			9,852	.1
New Mexico							42,288	.7			42,288	.6
New York							1,966	6/			18,216	.2
North Carolina							140,162	2.2			140,162	1.8
Ohio							33,614	.5			34,754	.5
Oklahoma							32,559	.5			32,839	.4
Oregon							1,772	.6/			6,445	.1
Pennsylvania							136,555	2.1			157,109	2.1
Rhode Island							82,450	1.3			82,450	1.1
South Carolina							1,990	6/			1,290	6/
Tennessee							48,322	.7			50,370	.7
Texas							2,745	.6/			2,745	.6/
Utah							24,415	.4			49,015	.6
Vermont							10,057	.2			10,057	.1
Virginia							7,776	.1			7,576	.1
Washington							44,247	.7			44,267	.6
West Virginia							564,926	8.7			565,274	7.4
Wisconsin							16,095	.2			16,095	.1
							73,985	1.1			73,985	1.0
United States	1,322,499	414,395	182,171	134,428	2,053,493	100.0	6,474,448	100.0	139,109	993,165	1,132,274	100.0
											7,606,722	100.0

1/ Avocados, bananas, dates, figs, kiwifruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1986/87 crop. 4/ Tangerines, times, tangelos, and templets. 5/ Almonds, hazelnuts, macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 130—Fruit and edible tree nuts: Utilized production, by States, 1986

State	Apples	Apricots	Cherries			Cran- berries	Grapes	Peaches	Pears	Prunes and plums	Straw- berries	Other 1/ 2/	Quantity 2/	Percent of U.S.	Total	
			Sweet	Tart	Cran- berries											
Alabama	4.8														3.0	6/
Arizona	257.5	50.0	8.4	0.5			23.0	4.8							23.0	0.2
Arkansas	8.8						5.5	684.3							15.9	0.1
California	20.5						770.0	3.4							7,573.3	54.6
Colorado	13.5						1.6	1.8							14.4	.1
Connecticut								1.4							23.5	.2
Delaware															14.9	.1
Florida	14.5														70.1	.5
Georgia	47.0														67.0	4.9
Hawaii	45.0														681.4	4.4
Idaho	18.5														59.8	.4
Illinois	2.7														55.3	.4
Indiana															20.5	.1
Iowa															2.7	.1
Kansas	1.5														3.7	6/
Kentucky	2.0														3.0	6/
Louisiana															1.8	.3
Maine	43.0														43.0	.3
Maryland	42.5														52.5	.4
Massachusetts	41.0														132.6	1.0
Michigan	350.0														537.7	3.9
Minnesota	9.0														9.0	.1
Mississippi															26.2	.6/
Missouri	18.5														1.0	.6/
Montana															23.0	.9
New Hampshire	23.0														118.2	.9
New Jersey	50.0														655.7	4.7
New Mexico	450.0														74.3	.5
New York	60.0														57.1	.4
North Carolina	45.0														2.8	.6/
Ohio															318.9	2.3
Oklahoma	52.5														417.0	3.0
Oregon	300.0														2.8	.6/
Pennsylvania	2.8														139.5	1.0
Rhode Island	15.0														6.1	.6/
South Carolina	4.3														4.8	.6/
Tennessee															36.4	.3
Texas	17.0	0.3	2.2	9.3											24.0	.2
Utah	24.0														220.5	1.6
Vermont	207.5														109.9	15.2
Virginia	1,580.0	4.3	62.5												126.5	.9
Washington	1,150.0														99.1	.7
West Virginia	27.5															
Wisconsin																
United States	3,916.7	54.6	136.8	109.2	184.5	5,227.3	1,109.1	761.2	487.2	509.7	1,378.2	13,874.3	100.0			

See footnotes at end of table.

Continued--

Table 130--Fruit and edible tree nuts: Utilized production, by States, 1986--Continued

State	Cirrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 4/	Total		Quantity percent of U.S.		Total quantity percent of U.S.		Quantity percent of U.S.	
					Quantity 2/	Percent of U.S.	Percent of U.S.	Percent of U.S.	Percent of U.S.	Percent of U.S.	Percent of U.S.	Percent of U.S.
- -1,000 short tons--												
Alabama												
Arizona	76.0	90.0	118.0	36.0	320.0	2.9	3.0	6/	8.0	1.4	11.0	6/
Arkansas	2,022.0	266.0	574.0	68.0	2,930.0	26.5	10,503.3	42.1	0.6	0.6	34.0	1.3
California											16.5	1.1
Colorado											10,922.1	42.8
Connecticut											14.4	-1
Delaware											23.5	-1
Florida	5,364.0	1,987.0		434.0	7,785.0	70.4	7,855.1	31.1	2.8	0.5	7,857.8	30.8
Georgia											127.0	30.5
Hawaii											70.4	2.8
Idaho											59.8	-2
Illinois											55.3	-2
Indiana											20.5	-1
Iowa											2.7	6/
Kansas											3.7	6/
Kentucky											3.0	6/
Louisiana											16.8	-1
Maine											43.0	-2
Maryland											52.5	-2
Massachusetts											132.6	5.5
Michigan											53.7	2.1
Minnesota											9.0	6/
Mississippi											3.9	6/
Missouri											26.2	-1
Montana											1.0	6/
New Hampshire											23.0	-5
New Jersey											118.2	-5
New Mexico											16.5	-1
New York											635.7	2.6
North Carolina											76.3	-3
Ohio											57.1	-6/
Oklahoma											10.3	-6/
Pennsylvania											333.8	1.3
Rhode Island											47.0	1.6
South Carolina											12.8	6/
Tennessee											142.8	-6/
Texas											6.1	-6/
Utah											47.8	-2
Vermont											36.4	-1
Virginia											24.0	-1
Washington											220.5	8.3
West Virginia											2,110.5	8.3
Wisconsin											126.5	-5
United States	7,476.0	2,352.0	692.0	538.0	11,058.0	100.0	ERR	100.0	136.4	455.9	592.3	100.0
											25,524.5	

1/ Avocados, bananas, dates, figs, kiwifruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1985/86 crop. 4/ Tangerines, Limes, tangos, and temples. 5/ Almonds, hazelnuts (filberts), macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 131--Fruit and edible tree nuts: Value of production, by States, 1986

State	Apples	Noncitrus						Total Value 2/ Percent of U.S.	
		Cherries			Peaches				
		Apricots	Sweet	Tart	Cran- berries	Grapes	Pears		
--1,000 dollars--									
Alabama	1,263	18,564	10,211	359	25,070	1,643	1,632	1,632	
Arizona	83,903				1,164	141,882	385,245	25,070	
Arkansas	1,706				1,060,245	2,077	295,770	6/	
California	7,882				490	1,344	2,244,898	0.6/	
Colorado	2,456				500	500	4,632	53.4	
Connecticut							10,002	.1	
Delaware							2,956	.2	
Florida							60,333	1.4	
Georgia	4,646						26,121	6/	
Hawaii							113,753	2.7	
Idaho	20,900		1,971				127,753	2.7	
Illinois	14,360						19,854	.5	
Indiana	6,864						19,800	.2	
Iowa	1,449						8,84	6/	
Kansas	693						1,449	6/	
Kentucky	810						2,358	.1	
Louisiana	16,505						1,218	6/	
Maine	9,641						1,006	.1	
Maryland	16,068						16,505	.3	
Massachusetts	65,075						13,729	2.3	
Michigan	5,484						98,154	2.3	
Minnesota							137,430	3.3	
Mississippi	7,834						5,484	.1	
Missouri							10,728	6/	
Montana	9,202						9,202	.6/	
New Hampshire	12,416						52,877	1.3	
New Jersey	11,140						145,422	3.5	
New Mexico	91,260						16,404	.4	
New York	10,160						21,624	.5	
North Carolina	15,680						1,837	6/	
Ohio							12,677	3.0	
Oklahoma							83,703	2.0	
Oregon	11,081						1,224	6/	
Pennsylvania	47,772						43,913	1.0	
Rhode Island	1,224						4,660	.1	
South Carolina	4,057						3,705	.1	
Tennessee	1,572						12,542	.3	
Texas	4,690	104	1,509	3,533			8,480	.2	
Utah	8,480						43,864	1.0	
Vermont							687,572	16.4	
Virginia	38,346	3,319	59,437		4,530	37,120	3,329	6,500	
Washington	488,400						3,338	3,648	
West Virginia	24,410							21,748	
Wisconsin	9,390							72,878	
United States	1,066,779	21,987	112,593	44,266	165,086	1,183,242	310,805	4,203,597	
							203,113	100.0	

Continued--

See footnotes at end of table.

Table 131—Fruit and edible tree nuts: Value of production, by States, 1986—Continued

State	Citrus fruit 3/					Total all fruits					Total all fruit and nuts				
	Oranges	Grapefruit	Lemons	Other 4/	Value 2/	Total		Percent of U.S.		Value 2/		Total		Value 2/	
						Value 1,000 dollars	Percent of U.S.	Value 1,000 dollars	Percent of U.S.	Value 1,000 dollars	Percent of U.S.	Value 1,000 dollars	Percent of U.S.	Value 1,000 dollars	Percent of U.S.
<i>--1,000 dollars--</i>															
Alabama	13,968	13,542	46,639	11,266	85,415	4.8	110,485	6/	12,736	1.3	14,368	0.2	110,485	1.6	
Arkansas	364,952	59,280	170,426	21,940	616,598	34.9	2,861,496	47.9	739,856	75.3	5,945	5.1	3,601,352	51.8	
California											4,632	1.1	10,002	1.1	
Colorado											10,002	.2	12,956	.6/	
Connecticut											12,956	.1	1,124,870	16.2	
Delaware											12,956	.1	107,921	1.6	
Florida	708,359	267,067			85,840	1,061,266	60.0	1,122,956	18.8	3,271	0.3	148,953	2.1		
Georgia											121,121	.4	27,854	.4	
Hawaii											113,753	.9	19,280	.3	
Idaho											127,854	.3	8,184	.1	
Illinois											19,280	.1	1,449	.6/	
Indiana											8,184	.1	2,358	6/	
Iowa											1,449	.6/	1,218	6/	
Kansas											2,358	.6/	16,505	.3	
Kentucky											1,218	.6/	13,729	.2	
Louisiana											1,218	.6/	98,154	1.4	
Maine											1,218	.6/	13,729	.2	
Maryland											13,729	.2	13,729	.2	
Massachusetts											98,154	.1	137,430	2.0	
Michigan											98,154	.1	5,484	.1	
Minnesota											137,430	.1	6,068	.1	
Mississippi											5,484	.1	10,728	.2	
Missouri											6,068	.1	14,480	.6/	
Montana											10,728	.2	9,202	.8	
New Hampshire											10,728	.2	25,710	2.4	
New Jersey											9,202	.2	145,422	2.3	
New Mexico											9,202	.2	18,764	.3	
New York											145,422	.2	21,624	.3	
North Carolina											18,764	.2	11,250	.2	
Ohio											21,624	.2	138,465	2.0	
Oklahoma											21,624	.2	83,703	1.2	
Oregon											138,465	.2	12,542	.2	
Pennsylvania											138,465	.2	8,480	.1	
Rhode Island											8,480	.1	4,864	.6/	
South Carolina											4,864	.1	4,888	.7/	
Tennessee											4,864	.1	2,460	.6/	
Texas	3,149	2,068			5,217	0.3	8,922	6/	3,575	0.4	43,022	.6/			
Utah											12,542	.2	12,542	.2	
Vermont											12,542	.2	8,480	.1	
Virginia											8,480	.1	4,864	.6/	
Washington											4,864	.1	687,751	9.9	
West Virginia											687,751	.1	27,748	.4	
Wisconsin											72,878	.1	72,878	1.0	
United States	1,090,428	341,957	217,065	119,046	1,768,496	100.0	5,972,093	100.0	196,649	100.0	982,672	100.0	6,954,765	100.0	

1/ Avocados, bananas, dates, figs, kiwi fruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1985/86 crop.

4/ Tangerines, limes, tangelos, and templets. 5/ Almonds, hazelnuts, macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 132--Fruit and edible tree nuts: Utilized production, by States, 1985

State	Noncitrus										Total Percent of U.S. 2/	
	Apples		Apricots		Cherries		Grapes		Peaches			
	Sweet	Tart	Sweet	Tart	Cran- berries	Pears	Prunes and plums	Straw- berries	Other 1/	Quantity 2/		
--1,000 short tons--												
Alabama					18.5	0.8				0.8	0.1	
Arizona	7.5	103.0	23.5	0.9	7.9	2.3	292.5	386.9	565.4	18.5	0.1	
Arkansas	310.0				5,207.0	701.8	7.5	1.5		18.5	0.1	
California	55.0						1.7			186.7	57.7	
Colorado	18.5						0.6			69.3	5.5	
Connecticut	9.5									21.7	.1	
Delaware										10.1		
Florida										.6		
Georgia	9.5									.5		
Hawaii										.4		
Idaho	65.5									599.3	4.2	
Illinois	51.0									577.1	4.5	
Indiana	37.5									51.0	.4	
Iowa	6.0									37.5	.3	
Kansas	6.4									6.0	.1	
Kentucky	7.5									7.9	.1	
Louisiana										4.5	.6	
Maine	41.0									41.0	.3	
Maryland	38.0									38.5	.3	
Massachusetts	539.5									124.9	5.9	
Michigan	533.0									777.2	5.5	
Minnesota	10.5									10.5	.1	
Mississippi	31.0									1.3	.6	
Missouri										31.9	.2	
Montana										3.5	.6	
New Hampshire	27.5									27.5	.2	
New Jersey	51.5									115.6	.8	
New Mexico	5.0									5.0	.6	
New York	539.5									726.2	5.1	
North Carolina	137.5									142.3	1.0	
Ohio	72.5									84.1	.6	
Oklahoma										4.0		
Oregon	80.0									363.1	2.6	
Pennsylvania	292.5									379.8	2.7	
Rhode Island	2.0									2.0	.6	
South Carolina	7.5									118.1	.8	
Tennessee	5.0									5.0		
Texas										13.0	.1	
Utah	27.5	0.4	2.1	10.5			5.5	2.5		48.5	.3	
Vermont	23.5									23.5	.2	
Virginia	194.0									194.9	1.4	
Washington	1,025.0	2.4	35.3		7.4	116.1	0.9		10.7	1,447.6		
West Virginia	115.0						15.5	225.0	10.2	1,150.0	.8	
Wisconsin	29.0				3.8	61.5			2.8	97.0	.7	
United States	3,913.4	105.8	126.5	140.1	174.3	5,616.1	1,023.6	744.4	509.4	1,193.0	100.0	
See footnotes at end of table.												
Continued--												

Table 132--Fruit and edible tree nuts: Utilized production, by States, 1985--Continued

State	Citrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 4/	Total		Percent of U.S.		Total		Percent of U.S.	
					Quantity 2/	Percent of U.S.	Pecans	Other 5/	Quantity 2/	Percent of U.S.		
--1,000 short tons--												
					short tons				short tons			
Alabama	77.0	107.0	215.0	43.0	442.0	4.2	0.8	6/	8.0	1.0	8.8	6/
Arizona	1,266.0	289.0	752.0	62.0	3,069.0	29.2	11.255.3	45.5	0.9	0.1	460.5	1.8
California							69.3	.3			19.4	.1
Colorado											83.9	46.5
Connecticut											69.3	.3
Delaware											21.7	.1
Florida	4,676.0	1,870.0			4,68.0	7,014.0	66.6	7,095.3	28.7	41.4	0.2	10.1
Georgia							59.3	.2			5.3	27.8/
Hawaii											620.3	2.4
Idaho											77.1	.3
Illinois							77.1	.3			51.0	.2
Indiana							51.0	.2			37.5	.1
Iowa							37.5	.2			6.0	.6/
Kansas							6.0	.6/			9.0	.6/
Kentucky							7.9	.6/			7.9	.6/
Louisiana							7.5	.6/			7.5	.6/
Maine							4.5	.6/			12.0	.1
Maryland							41.0	.2			41.0	.2
Massachusetts							38.5	.2			38.5	.2
Michigan							124.9	.5			124.9	.5
Minnesota							777.2	3.1			777.2	3.0/
Mississippi							10.5	.6/			10.5	6/
Missouri							1.3	.6/			4.5	.1
Montana							31.9	.1			31.9	.6/
New Hampshire							3.3	.3			3.3	.5
New Jersey							2.5	.1			27.5	.1
New Mexico							115.6	.5			115.6	.5
New York							5.0	.6/			19.5	.1
North Carolina							726.2	2.9			726.2	2.8
Ohio							142.3	.6			142.8	.6
Oklahoma							84.1	.3			84.1	.3
Oregon							4.0	.6/			9.0	.6/
Pennsylvania							363.1	1.5			387.4	1.5
Rhode Island							379.8	1.5			379.8	1.5
South Carolina							72.0	.6/			72.0	.6/
Tennessee							118.1	.5			118.8	.5
Texas							13.0	.1			52.0	.2
Utah							48.5	.2			48.5	.2
Vermont							23.5	.1			23.5	.1
Virginia							194.9	.8			194.9	.8
Washington							1,447.6	5.9			1,447.9	5.7
West Virginia							1,115.0	.5			115.0	.5
Wisconsin							97.0	.4			97.0	.4
United States	6,719.0	2,266.0			967.0	573.0	10,525.0	100.0	24,716.2	100.0	653.8	100.0
											25,492.2	100.0

1/ Avocados, bananas, dates, figs, kiwifruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1984/85 crop. 4/ Tangerines, limes, tangos, and temples. 5/ Almonds, hazelnuts, macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Table 133—Fruit and edible tree nuts: Value of production, by States, 1985

State	Noncitrus										Total		Percent of U.S. of	
	Cherries		Apricots		Cranberries		Grapes		Peaches		Prunes and plums	Straw- berries	Other 1/	
	Apples	Apricots	Sweet	Tart	Cran- berries	Grapes	Pears	Peaches	Prunes and plums	Straw- berries	Other 1/	Value 2/	Percent of U.S. of	
	--1,000 dollars--													
Alabama											458	458	6/	
Arizona	1,745	26,276	24,641	390		17,908	458				17,908	17,908	0.5	
Arkansas	58,540					1,019	142	776			4,322	4,322	0.1	
California	10,506					877,048	3,900	69,735	181,392	333,913	2,056,447	2,056,447	53.7	
Colorado	6,155					1,294	1,353	1,294	1,713		16,088	16,088	.4	
Connecticut											8,221	8,221		
Delaware	1,656										1,970	1,970		
Florida											77,683	77,683	2.0	
Georgia	2,127					1,038	20,439			61,268	16,415	23,604	2.6	
Hawaii											101,581	101,581	2.7	
Idaho	25,668						1,960				31,574	31,574		
Illinois	12,472										12,472	12,472		
Indiana	9,832										9,832	9,832		
Iowa	1,842										1,842	1,842		
Kansas	1,488										2,118	2,118		
Kentucky	2,118										3,570	3,570		
Louisiana											13,395	13,395		
Maine	13,395										8,026	8,026		
Maryland	7,764										9,033	9,033	2.5	
Massachusetts	14,558										4,832	4,832	4.6	
Michigan	79,800										4,612	4,612		
Minnesota	4,612										875	875	.6	
Mississippi											10,395	10,395		
Missouri	10,069										2,255	2,255		
Montana											10,230	10,230		
New Hampshire	10,230										55,652	55,652	1.5	
New Jersey	12,128										1,280	1,280	.6	
New Mexico	1,280										121,303	121,303	3.2	
New York	74,385										23,067	23,067	.6	
North Carolina	20,235										27,276	27,276		
Ohio	20,810										1,864	1,864		
Oklahoma	20,200										119,530	119,530	3.1	
Oregon	54,810										70,943	70,943	2.1	
Pennsylvania	872										46,872	46,872		
Rhode Island	872										1,328	1,328		
South Carolina	1,645										1,358	1,358		
Tennessee	1,358										7,280	7,280		
Texas											15,863	15,863		
Utah	6,650										1,742	1,742		
Vermont	7,742										38,592	38,592		
Virginia	38,216										500,045	500,045	13.1	
Washington	348,740										22,532	22,532	.6	
West Virginia	22,532										68,860	68,860	1.8	
Wisconsin	8,130													
United States	914,308		27,936	101,033	62,848	161,439	965,378	293,784	200,431	192,439	460,556	3,830,971	100.0	
													Continued -	

See footnotes at end of table.

Table 133--Fruit and edible tree nuts: Value of production, by States, 1985--Continued

State	Citrus fruit 3/				Total all fruits				Total all fruit and nuts			
	Oranges	Grapefruit	Lemons	Other 4/	Value 2/		Percent of U.S.		Value 2/		Percent of U.S.	
					Total	Value 2/	Pecans	Other 5/	Total	Value 2/	Percent of U.S.	1,000 dollars
--1,000 dollars--												
Alabama	19,301	18,933	27,762	13,802	79,798	3.8	97,706	6.7	8,288	1.1	8,746	0.1
Arizona	505,970	62,936	140,514	21,209	730,629	35.1	2,787,076	47.1	1,220	0.2	97,706	1.5
California							16,088	.3	572,529	72.8	3,359,605	.1
Colorado							8,221	.1			16,088	.2
Connecticut							1,970	.6			1,970	.1
Delaware	930,139	228,661		111,023	1,269,823	61.0	1,347,506	22.8	56,760	1.7	1,347,298	.6
Florida							23,604	.5			80,364	20.1
Georgia							101,581	.7	30,450	3.9	132,031	1.2
Hawaii							31,574	.2			31,574	2.0
Idaho							12,472	.2			12,472	.2
Illinois							9,832	.2			9,832	.2
Indiana							1,842	.6			1,842	.6
Iowa							2,241	.6			2,241	.6
Kansas							2,118	.6			2,118	.6
Kentucky							3,570	.2			3,570	.2
Louisiana							13,395	.1			13,395	.1
Maine							8,026	.1			8,026	.1
Maryland							90,033	1.6			94,033	1.4
Massachusetts							175,832	3.0			175,832	2.6
Michigan							4,612	.1			4,612	.1
Minnesota							875	.6			875	.2
Mississippi							10,395	.2			10,395	.2
Missouri							2,255	.6			2,255	.6
Montana							10,230	.2			10,230	.2
New Hampshire							55,652	.9			55,652	.8
New Jersey							121,280	.6	27,550		27,550	
New Mexico							123,303	2.1			123,303	
New York							23,067	.4			23,067	
North Carolina							27,276	.5			27,276	
Ohio							1,864	.6			1,864	
Oklahoma							119,530	2.0			119,530	
Oregon							79,943	1.4			79,943	
Pennsylvania							872	.6			872	
Rhode Island							46,328	.8			46,328	
South Carolina							1,358	.6			1,358	
Tennessee							7,280	.1			7,280	
Texas							15,863	.3			15,863	
Utah							7,742	.1			7,742	
Vermont							38,592	.7			38,592	
Virginia							500,045	.8			500,045	
Washington							22,532	.4			22,532	
West Virginia							68,860	1.2			68,860	1.0
Wisconsin												
United States	1,455,410	310,530	168,276	146,034	2,080,250	100.0	5,911,221	100.0	166,288	619,061	786,005	100.0
												6,697,226
												100.0

1/ Avocados, bananas, dates, figs, kiwifruit, nectarines, olives, papayas, pineapples, and pomegranates. 2/ Some figures may not add due to rounding. 3/ 1984/85 crop.

4/ Tangerines, limes, and templets. 5/ Almonds, hazelnuts (filberts), macadamia nuts, walnuts, and pistachios. 6/ Less than 0.05 percent.

Source: National Agricultural Statistics Service, USDA.

Historical Series

The historical time series for most production, utilization, grower prices, and value of production of noncitrus tree nuts, citrus, and strawberries up to and including 1987 (1986/87 for citrus) are reported in the following publications:

- 1) *Noncitrus Fruits and Nuts, Final Estimates for 1982-87*, Agricultural Statistics Board, National Agricultural Statistics Service, U.S. Department of Agriculture, Statistical Bulletin No. 809, May 1990. Previous *Noncitrus Fruits and Nuts* Statistical Bulletins 718, issued January 1985,(1978-82); 647, issued December 1980 (1974-78); and 593, issued December 1977 (1969-74).
- 2) *Citrus Fruits, Revised Estimates by States, 1981/82 through 1986/87*, National Agricultural Statistics Service, U.S. Department of Agriculture, Statistical Bulletin 796, September 1989. Previous *Citrus Fruits* Statistical Bulletins 712, issued September 1984 (1977/78 through 1981/82); 643, issued October 1980 (1974/75 through 1977/78); and 579, issued September 1977 (1969/70 through 1974/75).
- 3) Strawberries reported in *Vegetables, Estimated by Seasonal Groups and States, 1978-82*, Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture, Statistical Bulletin 728, issued June 1985; 665, issued May 1981 (1974-78); and 586, issued December 1977 (1969-74).
- 4) *Agricultural Prices, Yearly Summaries*, Agricultural Statistics Board, National Agricultural Statistics Service, U.S. Department of Agriculture.

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